

Julius Rosenberg ET AL.

Referral
National
Aeronautics
And Space
Administration
No. 6

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67

UNITED STATES
DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
OFFICIAL BUSINESS

Date Received 5-3-61

From H.B. Brown

(Name of contributor)

NACA

(Address of contributor)

By

O'Donoghue

(Name of Special Agent)

To Be Returned

No () Yes ()

Description:

List of Q-1-1-1
Chapman & Co

File No.

65-2730-1a-67

"Q" CLEARANCES GRANTED

TO PERSONNEL OF

NACA LEWIS FLIGHT PROPULSION LABORATORY

May 1, 1951

<u>Date Issued</u>	<u>Name</u>	<u>Clearance No.</u>	<u>Location</u>
8/18/50	Alinski, Alice Agnes	CH-6279	Res.Rept.
12/1/48	Allen, Gabriel	94560	M&T
7/14/50	Amling, Geraldine Elaine	CH-6127	M&T
8/23/49	Appleby, Margaret Carolyn	CH-4076	Editorial
4/13/51	Aron, Jack	CH-7577	M&T
3/31/49	Ault, G. Mervin	CH-3222	M&T
8/25/49	Barile, Sam	CH-3192	M&T
9/14/49	Benser, William A.	OR-6620	C&T
6/30/50	Bisson, Edmond E.	CH-6105	M&T
3/17/50	Boelmer, Dial Edwin	CH-5544	S&S
6/7/48	Bogart, Donald	94561	M&T
4/29/49	Boman, David Sigmund	CH-3159	ER
10/20/50	Bonn, John Louis	CH-6469	Service
11/25/49	Bradnan, Shirley Lois	CH-5137	M&T
12/30/49	Brady, Mary LaRone	CH-5289	M&T
8/23/49	Braig, Eugene Charles, Jr.	CH-4173	Adm.
10/21/47	Brockway, Lawrence Olin	42337	Con.
3/2/51	Bromeier, Arthur Joseph	CH-7405	Service
6/16/50	Brown, William Findley, Jr.	CH-5804	M&T
9/19/49	Bullock, Robert O.	OR-6641	C&T
3/20/51	Burkig, Jack Whipple	CH-7682	M&T
5/27/48	Calmer, Steven, Jr.	CH-94562	Service
9/8/50	Caywood, William Capron	CH-6281	M&T
4/29/49	Cleaves, Alden Parker	CH-3190	M&T
10/21/47	Collins, John Henry, Jr.	42338	Res.
12/30/49	Colteryahn, Louis Emanuel (LWOP)	CH-5298	M&T
6/15/50	Cooper, Anthony Lee	CH-5800	M&T
4/6/51	Dallas, Thomas	CH-7679	Physics
3/21/49	Dalzell, Evelyn M.	CH-3242	Library
6/2/48	Daus, James Henry	94564	Rep.
6/10/48	Deisler, Robert George	94565	M&T
5/27/49	Delsander, Marie T.	CH-3196	M&T
3/17/50	Demaline, Russell L.	CH-5548	S&S
6/7/48	Desmon, Leland Golde	94566	M&T
6/17/48	Deutsch, George Carl	42339	M&T
4/8/49	Dietrich, Joseph R.	40710	
9/8/50	Dolkas, Constantine Basil	CH-6282	M&T
6/30/50	Downer, Glenna Wood	CH-6106	Rep.Pub.

6/22/48	Doyle, Ronald Basil	OR-518-CH	M&T
3/2/51	Drescher, Harold Joseph	CH-7408	Service
4/29/49	Dudziak, Walter Francis	CH-3186	M&T
8/23/49	Duktig, Barbara Lucille	CH-4073	Rep.
5/5/50	Dunkle, Frances Beverly	CH-5761	M&T
9/28/49	Dunn, James Merrel	CH-4463	S&S
1/24/51	Dutee, Francis Joseph	CH-7072	Service
4/29/49	Eian, Carroll Sherman	CH-3157	ER
4/29/49	Eian, Muriel Jane	CH-3212	M&T
4/29/49	Engel, Walter John	CH-3239	M&T
9/14/49	English, Robert E.	OR-6642	C&T
12/22/50	Estrin, Mandel	CH-6291	Physics
10/14/48	Evvard, John Cooper	93073	SSP
6/7/48	Fazio, Anthony	84567	Rep.
6/9/50	Ferguson, Robert Roy	CH-5903	M&T
6/30/50	Francisco, Allen Charles	CH-6107	M&T
	Freeman, James W.	88702	Con.
2/20/50	Fryburg, George Crumback	CH-5433	M&T
4/26/49	Gangler, James Joseph	87698	M&T
4/6/51	Gardner, Daniel Egbert	CH-7609	Service
6/2/50	Garrett, Floyd Byron	CH-5812	M&T
5/5/50	Gedeon, Coletta Ann	CH-5762	Res.Rep.
8/18/50	Gelalles, Irene Marie	CH-6283	M&T
8/23/49	Geoffrion, Arthur Charles	CH-4074	Rep.
1/24/51	Gerstenslager, Inez S.	CH-6910	Comp.
10/21/47	Gerstein, Melvin	42343	F&C
9/28/49	Gibbs, James William, Sr.	CH-4465	S&S
5/26/48	Giczy, Eugene Paul	4568	Rep.
10/20/50	Gordon, Victor	CH-6109	Adm.
6/18/48	Gosney, Mary Louise	OR-426	Adm.
3/17/50	Graab, Judson Warren	CH-5535	M&T
6/2/48	Grele, Milton Drummer	94569	M&T
12/1/50	Groetzinger, Gerhart Karl	CH-6425	M&T
4/6/51	Gurnick, Raymond S.	CH-7569	M&T
4/28/50	Hacskaylo, Mary Franey	CH-5809	M&T
7/7/49	Hacskaylo, Michael	CH-3189	M&T
1/24/51	Haferd, Angela Mae	CH-7034	Comp.
6/7/48	Hall, Jesse Harbour	94570	M&T
4/29/49	Hall, Robert Ward	CH-3187	M&T
7/8/47	Hamjian, Harry John	CH-14198	M&T
3/17/50	Harnett, Roland James	CH-5550	S&S
12/16/49	Healy, Jeanne Ann	CH-5198	M&T
4/13/51	Hecht, Leo John	CH-7661	Service
7/8/49	Henderson, Richard Wright	CH-3158	M&T
2/20/50	Hersh, Herbert N.	CH-5417	M&T
10/7/49	Hill, John Joseph	CH-4461	M&T
9/28/49	Hoag, Robert Donald	CH-4462	S&S

*reception
checked off*

6/30/50	Hoffman, Charles Albert	CH-621	M&T
8/18/50	Holden, Laura Jean	CH-6242	M&T
6/2/50	Holms, Arthur Glatt	CH-5801	M&T
8/25/50	Hood, Dorothy Pauline	CH-6284	M&T
4/29/49	Hopkins, John Gilbert	CH-3195	Rep.
10/21/47	Humble, Leroy Vernon	31439	M&T
7/14/50	Jereb, Marguerite Georgette	CH-6130	M&T
9/23/49	Johnsen, Irving A.	OR-6643	C&T
3/27/51	Johnson, Robert Lawrence	CH-7610	M&T
4/9/48	Kalmon, Ben	85150	Physics.
7/14/50	Karp, Irving M.	CH-5763	M&T
5/26/48	Kaufman, Samuel Julius	94572	M&T
3/2/51	Keller, William Bernard, Sr.	CH-7350	Service
6/9/50	Kemp, Richard Harley	CH-5811	M&T
10/21/47	Kemmer, Carlton	42349	Res.
6/9/50	Kendra, Anne Roberta	CH-5810	M&T
3/17/50	Kepke, Howard Henry	CH-5553	S&S
7/21/50	Kinney, Dorothy Ann	CH-6170	M&T
7/31/50	Kish, Frank	CH-6204	Rep.
12/9/48	Kittel, John Howard	Q-31442	M&T
10/21/47	Kives, Irene Mary	42352	Res.
9/14/49	Klapproth, John E.	OR-6644	C&T
1/5/51	Kohl, Janet Catherine	CH-7035	Comp.
3/30/51	Krejsa, Mylo J.	CH-7686	Service
7/14/50	Kroft, Therese M.	CH-6171	M&T
5/7/50	Kuczynski, George Czeslow	CH-32257	M&T
3/15/50	Lad, Robert Augustin	CH-86207	M&T
6/2/48	Lalli, Frank John	94573	Rep.
7/31/50	Lang, William F., Jr.	CH-6119	Service
8/23/49	Lidman, William Garson	CH-4085	M&T
2/20/50	Lietzke, Armin Frederick	CH-5416	M&T
4/20/51	Linkert, Harold Rhinehart	CH-7611	Service
4/29/49	Litzenberg, Lewis C.	CH-3217	Inst.
8/31/50	Long, Roger Alden	CH-6290	Service
6/17/48	Lowdermilk, Warren Howard	OR-430	M&T
6/8/48	Lubarsky, Bernard	94575	M&T
11/3/50	Luka, Nicholas	CH-6484	Service
11/4/49	Lundin, Bruce Theodore	CH-4880	ER
3/21/49	Lyon, Ethel V. AEC File # WA-8254	CH-3237	Library
4/6/51	Lynch, John Joseph	CH-7689	M&T
10/21/47	Manganelli, Eugene Joseph	42799	Res.
3/17/50	Manson, Samuel Stanford	CH-5415	M&T
6/23/49	Manson, Simon Verril	CH-3154	M&T
5/5/50	Marciniak, Ethel Marie	CH-5736	Rept. Rep.
4/29/49	Mark, Hazel Ann	CH-3194	M&T
12/22/50	Matlack, Robert Isaiah	CH-6784	Res. Rpts.
8/23/49	Maxwell, William Allen	CH-4080	M&T

3/30/51	Mendelson, Alexander	CH-7612	M&T
6/16/50	Meyer, Andre Johannes, Jr.	CH-5802	M&T
2/23/51	Meyers, Frederica C.	CH-7024	M&T
4/29/49	Montgomery, Christine	CH-3223	M&T
4/13/51	Morgan, William Charles	CH-7613	M&T
4/29/49	Mosher, Don Raymond	CH-3160	M&T
4/27/49	Mulcahy, Bertram A.	CH-3197	M&T
1/24/51	Murray, Joan Ann	CH-7036	Comp.
3/17/50	McCready, Robert Richard	CH-5529	M&T
8/17/48	Nagy, Tibor Franz	94580	M&T
3/2/51	Nahigyan, Kevork Kachadoor	CH-7413	Service
9/22/50	Nemeth, Helen Kathryn	CH-6206	M&T
4/13/51	Nemeth, Zolton N.	CH-7690	M&T
6/23/49	Nester, Olga	CH-3453	M&T
12/8/50	Norris, Rita Corrine	CH-7037	M&T
8/31/50	Norton, Irene Alberta	CH-6285	Rep. Rep.
9/12/49	Noyes, Robert Nelson	CH-3155	M&T
1/13/50	Olah, Joseph Edward	CH-5340	S&S
3/17/50	Otterson, Dumas Alfred	CH-5532	M&T
3/27/51	Peterson, Marshall Belke	CH 7615	M&T
1/9/47	Pinkel, Benjamin	52948	M&T
5/5/50	Pinkel, I. Irving	CH-5627	Physics
2/20/50	Pocota, Alice Anna	CH-5301	Rep. Pub.
6/7/48	Price, Alice Marshner	94578	ER
3/17/50	Rafter, George Frederick	CH-5545	S&S
9/14/49	Ritter, William K.	OR-6645	C&T
6/2/50	Rom, Frank Ernest	CH-5764	M&T
6/7/48	Romano, Marie Concetta	94583	Rep.
3/17/50	Rosbough, Donald Myron	CH-5549	S&S
6/10/48	Rosenbaum, Burt Melvin	45709	M&T
4/29/49	Sams, Eldon Walter	CH-3156	M&T
9/15/49	Sanders, John Clayton	93078	ER
8/29/49	Saporito, May Maitland	CH-4082	Res.
3/21/49	Scadding, Elinor M. AEC File #WA-8212	CH-3236	Library
9/12/49	Schey, Oscar W.	OR-6646	C&T
7/31/50	Schreiber, Mildred C.	CH-6245	Comp.
8/31/49	Schwed, Philip	CH-4279	M&T
8/28/47	Schweiger, Rovel N.	CH-12079	Comp.
1/24/51	Sedgwick, Janet Margaret	CH-7038	Comp.
10/21/47	Selden, Robert Francis	42806	M&T
8/25/49	Sessions, Robert Creighton	CH-4083	Adm.
11/24/47	Sharp, Edward Raymond	42807	Res.
8/12/49	Sharp, Elmer Marshall	CH-4077	Inst.
4/13/51	Shifman, Joseph	CH-7616	M&T
6/16/50	Sikora, Paul Francis	CH-5904	M&T

9/24/43 Silverstein, Abe
 4/8/49 Simon, Sidney L. AEC File #43108
 4/21/50 Simpson, Margaret Mae
 9/15/50 Sinnette, John Townsend, Jr.
 3/21/49 Skoog, Robert K.
 2/2/51 Smith, B. Harrison
 11/25/49 Smith, Katherine Veronica
 6/8/48 Smith, Leo Francis
 9/8/50 Smith, Leonard Clarence
 12/23/49 Smotkin, Alex
 4/14/49 Spooner, Robert Bruce
 4/20/51 Stamps, Lewis Arthur
 8/4/50 Stanitz, John Daniel
 11/3/50 Stapleton, Denver Lucian
 12/8/50 Stephens, Paul Harrison
 8/12/49 Stopera, Leonard P.
 4/6/51 Strauss, Max B.
 10/14/48 Sullivan, Janette
 4/4/50 Swanson, Elmer R.
 4/20/51 Swikert, Max Alden

WA-517
 43108 Res.
 CH-5543 M&T
 CH-6131 Mailroom
 CH-3238 C&T
 CH-6788 Inst.
 CH-5138 Service
 94927 M&T
 CH-6387 Rep.
 CH-4841 M&T
 CH-2921 M&T
 CH-7695 Service
 CH-6132 C&T
 CH-6472 Service
 CH-6789 Mech. Serv.
 CH-4072 Rep.
 CH-7352 Service
 94929 Res.
 NY-9515-CH Con.
 CH-7618 M&T

6/16/50 Todd, Donald Junior
 6/17/48 Tomasch, Eugene John
 3/21/49 Tozier, Marguerite K.
 3/21/49 Tozier, Robert E.
 10/20/50 Trumbore, Forrest A.
 6/2/48 Turner, Livingston Richard

WA-15198-CH
 OR-435 Rep.
 CH-3218 Service
 CH-3214 Inst.
 CH-6482 M&T
 94930 Res.

4/7/48 Valerino, Michael Frank
 4/17/50 Vanderhoof, Ruth Elizabeth
 3/2/51 Vetrovsky, Dolores Marion
 4/29/49 Voss, Fred

33008 M&T
 CH-5542 M&T
 CH-7354 Comp.
 CH-3153 ER

5/5/50 Wachtl, William Wendell
 6/8/48 Warshawsky, Isidore
 3/14/51 Weeton, John Waldemar
 4/29/49 Weinshanker, Hyman
 5/21/48 Welber, Benjamin
 4/18/50 Wiener, Barnard Nisson
 8/23/49 Winchell, Robert Max
 11/25/49 Winter, Mary Jane
 6/30/50 Woods, Helen Josephine

CH-5765 M&T
 94933 Inst.
 CH-5766 M&T
 CH-3173 M&T
 77285 M&T
 CH-80419 M&T
 CH-4081 M&T
 CH-5136 Comp.
 CH-6133 Comp.

11/25/49 Yaker, Charles
 9/8/50 Yeomans, Clive Marshall

CH-4464 M&T
 CH-6352 Service

Date Received 5-23-51

From Alma Wilder

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Compressibility Effects on Cascades of Low Cambered Compressor Blades, by
Baily and Jefferson. R.A.E. (2-3-45)

Preliminary Discussion on Impulsive Duct Engine Used for German Flying Bomb,
by Howell, Richards, and Nock. R.A.E. (2-13-45)

Examination of a German Rocket Motor Used for Assisted Take-Off, by Staffs of
Engine-Dept. and Metallurgy Div. Tech. Note RA 204, R. A. E. (2-13-45)

Curve Sheets - MI-544 - Cleaned Up Run Test 32, Wright Field 20 Ft. Wind Tunnel
(German Buzz Bomb). (1-25-45)

Summary Report on Combustion Research - January 1943 to July 1944, National
Bureau of Standards. (2-13-45)

Report No. E. A. 224/13. TN No. Aero 1502 - Tests of F2076 Flying Bomb Motor,
by A. D. Baxter, D. E. Whalley, and C. Kell. R. A. E. (2-13-45)

Jet Propulsion Combustion Chamber Research - Navy contract N0a(s) 5152 - Progress
Report for Month of February 1945 - dated March 3, 1945 - by H. C. Hottel,
MIT, Dept. of Chemical Engineering. (5-3-45)

Progress Report on the Flow Phenomena at the Inlet of a Tube Travelling with
Supersonic Velocity, Report No. Eng. Div. 18/44 - National Physical Lab.
OSRD, Liaison Office. Ref. No. I-A-390, by O. H. Lean. (6-2-45)

Supersonic Flow past Bodies of Revolution, by M. J. Lighthill, B.A. of the
Aerodynamics Division, N.P.L. (Fluid Motion Panel, Aeronautical Research
Committee) (6410-1030). (9-7-45)

Subsonic and Supersonic High Speed Tunnel Tests of a Paired Doubled Wedge Aerofoil,
by W. F. Hilton, and F. W. Pruden of Aerodynamics Division, N.P.L. (Aerody-
namics Subcommittee, Aeronautical Research Committee). (9-7-45)

5/28/51

*Secret Material available to Wm. Perle
according to records maintained by
Alma Wildy, Lic. to Dr. J. L. Froude
8'x6' 55WT*

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65-2730-1A68

FEDERAL BUREAU OF INVESTIGATION

This Case Originated At **CLEVELAND** ~~SECRET~~ CV File No. **65-2736**

Report Made At CLEVELAND	Date 9-27-50	Period 8/7-9/18/50	Report Made By JOHN B. O'DONOGHUE	AO
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Title WILLIAM PERL, aka William Mutterperl	Character of Case ESPIONAGE - R
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SYNOPSIS OF FACTS:

PERL resigned from NACA effective 5:00 P.M., 9/1/50. Left Cleveland for New York on 9/8/50 and apparently moved into his parents home, 936 Tiffany Street, Bronx, N.Y., on that date. Commenced divorce action at Cleveland against HENRIETTA BOYD SAVIDGE PERL, of NYC, on 8/16/50. Accompanied MICHAEL SIDOROVICH in July of 1948 at which time SIDOROVICH purchased 1941 Studebaker from ROBERT E. PFLEGER, according to PFLEGER and neighbor, who have furnished signed statements.

Approved: *[Signature]* SAC Do Not Write In These Spaces

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- 2 - New Haven
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- 2 - San Diego
- 2 - Philadelphia (65-4384)
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CV. F. O.
65-2730

DETAILS:

BACKGROUND DATA

On August 18, 1950, WILLIAM G. GIBBONS, Personnel Manager, National Advisory Committee for Aeronautics, advised the writer that WILLIAM PERL had tendered his resignation from NACA to be effective 5:00 P.M., September 1, 1950.

On September 1, 1950, Captain JAMES W. GIBBS, Chief of Plant Protection, NACA, advised PERL's affiliation with NACA had been terminated as of 5:00 P.M., September 1, 1950.

On September 6, 1950, the subject advised he was leaving Cleveland for New York permanently on September 8, 1950. The New York Division has advised PERL arrived in New York City on September 8, 1950, and apparently moved into his parent's home at 936 Tiffany Street, Bronx, New York, on that date.

SA F. JOHN M. BEATTIE reviewed Docket #617230 in the Court of Common Pleas, Cuyahoga County, Ohio, which reflects WILLIAM PERL, 666 East 103rd Street, Cleveland, Ohio, has petitioned for a divorce against HENRIETTA BOYD-~~SAVIDGE~~ PERL, 194 East 38th Street, New York City, alleging the defendant to be guilty of gross neglect and failing and refusing to make a home for him for a long period of time. The summons was issued on August 16, 1950.

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PURCHASE OF 1941 STUDEBAKER BY
MICHAEL SIDOROVICH, JULY 1948

The records of the Auto Title Bureau, West Third and Lakeside, Cleveland, Ohio, reflect MICHAEL SIDOROVICH purchased a 1941 Studebaker, Motor #166705, on July 21, 1948, from one ROBERT E. PFLEGER.

During the course of an interview with ANNE SIDOROVICH on August 21, 1950, for the purpose of securing typing specimens from the SIDOROVICH typewriter, ANNE SIDOROVICH advised SAs JOHN E. O'DONOGHUE and DAVID A. WIBLE that she accompanied her husband when they bought their present automobile and recalled a third person being with them. ANNE's reply was directed to SA WIBLE but was also overheard by SA O'DONOGHUE, who was securing typing specimens. The automobile presently owned by the SIDOROVICHES bears Motor #166705, according to title records of the State of Ohio.

ROBERT E. PFLEGER, an account executive of the Meldrum-Fewsmith Advertising Agency of Cleveland, furnished the following signed statement, which is being retained in the 1A file of 65-2730:

Parma, Ohio
August 24, 1950

"I, Robert E. Pfleger, make the following voluntary statement to John B. O'Donoghue, Jr. and Anthony S. Fernandez, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. No threats or promises have been made to me to induce me to make this statement.

"I reside at 5202 Albertly Avenue, Parma, Ohio, where I have resided for about four and one-half years.

"During the early part of July, 1948 I took a classified ad in the Cleveland Plain Dealer for the purpose of offering for sale a 1941 Studebaker Champion which I owned. The ad appeared on a Sunday as well as on one or two other days.

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"On the Sunday when the ad appeared two men and one woman came to my home for the purpose of examining the automobile. These three persons drove up in an automobile driven by the younger and taller of the two men. My car was examined by the taller of the men and then was taken out for a ride with the taller man driving. The three persons left without any deal being closed.

"The three persons returned the same afternoon within an hour or two and the smaller of the two men whose name after having my memory refreshed I recall as Michael Sidorovich stated he wished to purchase the automobile. The price agreed upon was (\$750) seven hundred and fifty dollars. Inasmuch as I needed the car for my use for about two weeks we entered into an agreement whereby I would keep the car until a new one I had ordered was delivered to me. Sidorovich gave me a deposit at that time.

"Sometime later in July after my new car was delivered I met Sidorovich at the Automobile Registration Bureau in downtown Cleveland and closed the deal for my 1941 Studebaker.

"On August 22, 1950 I accompanied Mr. Fernandez to the National Committee for Aeronautics (Lewis Flight Propulsion Laboratory) where I saw an individual who was identified to me by Mr. Fernandez as William Perl. This person was the tall man who accompanied Michael Sidorovich and the woman he introduced me to as his wife to my home in July, 1948 to look at my 1941 Studebaker and was the person who drove my car on a test run on that day.

"I have read the foregoing statement, contained on this and one other page. To the best of my knowledge and belief it is accurate and true.

/s/ Robert E. Pfleger

Witnessed:

John B. O'Donoghue, Special Agent, FBI, Cleveland, O. 8/24/50
Anthony S. Fernandez, Special Agent, FBI, Cleveland, Ohio Aug. 24, 1950

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PFLEGER recalled he had placed an ad in both the "Cleveland Press" and the "Cleveland Plain Dealer", metropolitan daily newspapers, offering his automobile for sale. He recalled PERL and SIDOROVICH since he was of the impression at the time they visited him that PERL was the prospective purchaser of his automobile inasmuch as he examined the PFLEGER automobile rather closely and drove the car on a trial run. When the SIDOROVICHES and PERL returned after first leaving he recalls SIDOROVICH demanded a written contract and that ANNE SIDOROVICH wrote out this contract. No copy was furnished to PFLEGER.

It was recalled by PFLEGER, when he visited the National Advisory Committee for Aeronautics to view PERL in person, that PERL had intimated he was an aircraft mechanic or some such affiliated occupation.

On August 28, 1950, PFLEGER observed MICHAEL SIDOROVICH as he entered 8706 Carnegie Avenue, Cleveland, and identified SIDOROVICH as the purchaser of his 1941 Studebaker.

Mrs. ROBERT E. PFLEGER has advised she recalled three persons arriving at her home during July, 1948 to examine her husband's 1941 Studebaker. She recalled that she remained in the rear of her home throughout the negotiations but did observe two men and one woman. She recalled that one of the men and the woman entered her home with her husband through the rear door at which time she understood they executed a contract and made the final negotiations for the sale of the automobile.

On August 28, 1950, Mrs. PFLEGER observed MICHAEL SIDOROVICH and identified him as one of the two men and the woman who entered her home with her husband at the time of the sale of her husband's automobile. She was unable to identify WILLIAM PERL.

Mr. E. A. KESTNER, Mrs. PFLEGER's father, advised he was visiting the PFLEGERS on the day R. E. PFLEGER sold his automobile. It is his recollection that the purchaser was accompanied by another man and a woman, whom he did not feel he would be able to identify. KESTNER was unable to identify any photographs of SIDOROVICH and/or PERL.

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Mrs. E. A. KESTNER, KESTNER's wife, was unable to identify any of the persons and stated she did not recall the event surrounding the sale.

Mrs. MARIE APEL, 5114 Albertly Avenue, Parma, Ohio, a next door neighbor of the PFLEGERS, advised she recollects Mr. PFLEGER selling his automobile and recalls observing two men who drove up in an old car on the day of the sale. She remembered the incident because she asked her husband what was going on at the PFLEGER home and he advised her PFLEGER had placed an ad in a newspaper in an effort to sell his automobile. Mrs. APEL was unable to identify photographs but chose a photograph of DAVID GREENGLASS as resembling the shorter of the two men. She did not see the woman but stated she only took a momentary glance at the two men and stated a woman may have been seated in the automobile that drove up.

EDWARD J. APEL advised he did not recall the incident and did not recall anything about the prospective buyers of the automobile.

Mrs. MARIE BEIER, 5206 Albertly Avenue, Parma, Ohio, advised she distinctly recalls seeing two men and a woman inspect the PFLEGER automobile on a Sunday during July, 1948. She recalls it was a Sunday since her husband was engaged in his hobby of umpiring local baseball games. Mrs. BEIER furnished the following signed statement, which is being retained in the LA serial of 65-2730:

"Cleveland, Ohio
September 6, 1950

"I, Marie Beier, make the following voluntary statement to Anthony S. Fernandez and John B. O'Donoghue, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. No threats or promises have been made to induce me to make this statement.

"I reside at 5206 Albertly Ave., Parma, Ohio, which is immediately adjacent to the residence of Robert L. Pfleger. I recall that during July of 1948, Mr. Pfleger offered his Studebaker coupe for sale through an ad in a local newspaper. On a Sunday during July of 1948 at which time the ad was running I recall Mrs. Pfleger's parents were visiting

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"the Pflegers and I was seated in the driveway of my home watching my daughter who was bicycling on the front sidewalk. Sometime during the afternoon of this Sunday I observed an old auto park in front of the Pfleger home. I later saw two men with Mr. Pfleger, one short and one tall. At a later moment I observed the short man enter the Pfleger back door accompanied by Mr. Pfleger and a dark haired, thin woman.

"I may have walked to the front of the house during the time these people were present and I recall that at the time I felt the taller man was the prospective purchaser since the short man remained more or less in the background.

"Immediately after these people left Mr. Pfleger returned to his backyard and announced he had sold the car.

"On this date I observed a man passing through the reception room of the Cleveland Office of the Federal Bureau of Investigation who is the tall man referred to in this statement. I have been told by SA John B. O'Donoghue this man is William Perl.

"I have read the foregoing statement and find it to be true.

/s/ Mrs. Marie Beier

John B. O'Donoghue, Special Agent, FBI 9/6/50
Anthony S. Fernandez, Special Agent, FBI, 9/6/50"

The following signed statement was furnished by MARIE C. APEL and is being retained in the exhibit envelope of 65-2728:

"September 19, 1950
Parma, Ohio

"I, Marie C. Apel, do hereby make this voluntary statement to James W. Anderton, who has identified himself to me as a Special Agent of the Federal Bureau of Investigation. No threats or promises have been made me to give this statement. I reside at 5114 Albertly Ave, Parma, Ohio.

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"On a Sunday afternoon in July 1948 exact date unknown I happened to see a car drive up in front of Robert R. Pflieger's home, my next door neighbor; I asked my husband if the Pflieger's were having a picnic and he told me that Mr. Pflieger was attempting to sell his automobile and had advertised in the papers. A few minutes later I noticed two men standing on my front lawn looking at Mr. Pflieger's Studebaker coupe. One of the men was tall and dark haired and the other was shorter and more of light brown colored hair. A short while later I noticed the taller man in the car apparently examining the dashboard. The shorter man was standing on the right side of the car, with the door ajar, watching the taller man. Mr. Pflieger was standing at the left front fender.

"I didn't pay any further attention to the individuals in Mr. Pflieger's yard. I know that the above two men came to see Mr. Pflieger in an automobile.

"I have read the above statement consisting of two pages and to the best of my knowledge it is true.

/s/ Marie C. Apel

Witnessed:

SA James W. Anderton 9-19-50 Parma, Ohio

"I certify that the above statement was voluntarily given me at Parma, Ohio on 9-19-50 by Marie C. Apel.

Special Agent James W. Anderton "

The following signed statement was furnished by EDWARD A. KESTNER and is being retained in the exhibit envelope of 65-2728:

"Cleveland, Ohio
September 19, 1950

"I, Edward A. Kestner, do hereby make this statement freely and voluntarily to James W. Anderton, who has identified himself

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"to me as a Special Agent of the Federal Bureau of Investigation. No threats or promises were made to me and I understand that I do not have to make a statement.

"I reside at 4540 South Hills Drive, and my daughter is married to Mr. Robert R. Pfleger.

"On a Sunday afternoon, either in the later part of July or first of August 1948, my wife and I about 2:30 P.M. drove in my son-in-law's driveway and upon driving to the rear of the house noticed my son-in-law, Robert R. Pfleger talking with two men and a woman. These men were purchasing my son-in-law's Studebaker Club Coupe. One of these men was quite a bit taller, about 3 inches taller, than the other one. I can not remember exactly the description of the woman. As I got out of my car the shorter man asked me if my car was for sale and I answered 'No, you can't buy this car'. My wife had by this time entered the yard and I then entered the yard. About ten minutes later my son-in-law came in and announced that the man had bought his automobile and had given him a down payment.

"On September 19, 1950 Special Agent Anderton exhibited several photographs to me and from the photographs shown, the ones of Michael Sidorovich and William Perl closely resembled the individuals in question.

"I have read the above statement consisting of two pages and find it to be correct to the best of my knowledge.

/s/ Edward A. Kestner

Witnessed:

Special Agent James W. Anderton

"I certify that the above statement was rendered voluntarily to me by Mr. E. A. Kestner on September 19, 1950.

S.A. James W. Anderton "

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ROBERT E. PFLEGER and MARIE BEIER, when first interviewed, immediately selected a photograph of MICHAEL SIDOROVICH from a group of photographs as the purchaser of the PFLEGER auto. PFLEGER stated that the photograph of PERL bore a resemblance to the man accompanying SIDOROVICH at that time but was unable to definitely identify it, stating SIDOROVICH's companion was thinner. Mrs. BEIER selected PERL's photograph from a group of photographs and stated she felt the person represented was SIDOROVICH's companion. As is reflected in their signed statements, set forth previously in this report, both identified PERL when they saw him in person.

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PURCHASE OF 1941 STUDEBAKER BY
WILLIAM PERL, SEPTEMBER 1948

The records of the Auto Title Bureau, West Third and Lakeside, Cleveland, Ohio, reflect WILLIAM PERL purchased a 1941 Studebaker four door sedan, Motor #199802, from EDWARD K. RHODES, Trumbull Court, Newton Falls, Ohio, on September 13, 1948.

SA F. JOHN M. BEATTIE interviewed EDWARD K. RHODES, who now resides at 1399 East 110th Street, Cleveland, Ohio, on August 24, 1950.

RHODES advised PERL was accompanied by another individual at the time he inspected RHODES' automobile, who was not introduced to RHODES. He recalled this since he introduced PERL to his wife, EVELYN, but since he did not have the name of the other individual he was unable to introduce him to his wife. RHODES identified a photograph of WILLIAM PERL as the individual who purchased his automobile but was unable to identify a photograph of MICHAEL SIDOROVICH as the person who accompanied PERL.

RHODES recalled PERL stated he was employed by the Pearl Linoleum Company of Cleveland and that when RHODES volunteered to leave a car jack at this company for PERL at a later date, PERL immediately advised he would personally pick it up. He recalled that PERL bought his automobile the same evening he came to inspect it and paid a purchase price of \$970.00 in cash. After PERL had left with the automobile and within an hour PERL called RHODES and told him that the automobile had broken down. RHODES went to the place of the breakdown and, to the best of his recollection, believes this was between Euclid and Carnegie Avenues on East 105th Street. PERL's companion was no longer in the car when RHODES arrived. It is noted that MICHAEL SIDOROVICH resides at 8706 Carnegie Avenue, which is approximately a five to ten minute walk from East 105th Street. RHODES also recalled PERL stating he considered the Studebaker to be a good car since he had previously owned one.

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On August 25, 1950, RHODES observed MICHAEL SIDOROVICH in person but could not effect an identification although he stated he was certain he had seen SIDOROVICH some place before but could not state he was the individual accompanying PERL at the time PERL purchased his automobile although this could be possible. RHODES' wife, EVELYN, also viewed SIDOROVICH but was unable to identify him.

Mrs. LOTTIE E. WYLER, the owner of the home at 1257 Brockley Avenue, Lakewood, Ohio, where PERL roomed from August to approximately Christmas, 1948, was interviewed by SA DAVID A. WIBLE on August 26, 1950. Mrs. WYLER advised that PERL may have come to her home to live as early as a week after July 4, 1948, and she recalled that for a considerable length of time after his arrival he drove an old coupe, the make of which she did not know but which possibly could have been a Plymouth. This auto had a faded appearance and might have been a faded blue although she was not certain of this fact. She definitely recalled that PERL took this car back to New York possibly around Labor Day of 1948 and upon his return purchased a pre-war four door Studebaker. She recalled he saw an ad in a local newspaper which she believes is the auto he ultimately purchased.

On September 12, 1950, RHODES was introduced to MILTON KLEIN, fellow employee of PERL at NACA, and RHODES, after conversing with KLEIN, stated he was convinced KLEIN was the person who accompanied PERL at the time PERL bought RHODES' auto. He advised KLEIN recalled incidents which he, RHODES, had forgotten but now remembered.

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MILTON KLEIN was interviewed on September 12, 1950, by SAs JOHN E. O'DONOGHUE and DAVID A. WIBLE. KLEIN advised that he had been employed by NACA since 1942 and has known WILLIAM PERL since they attended DeWitt Clinton High School, New York City, together in the early thirties. KLEIN denied any knowledge of espionage activity on the part of PERL or himself and stated he had never been affiliated with the Communist Party or any similar organization. KLEIN identified photographs of MAX ELITCHER, MORTON SOBELL, STANLEY RICH, WILLIAM DANZIGER, and JOEL BARR, all of whom were classmates of both he and WILLIAM PERL at the College of the City of New York. KLEIN stated that all studied electrical engineering and since he majored in chemical engineering he was not as well acquainted with them as WILLIAM PERL. He further advised that his association with these people was very slight and he did not believe PERL to be particularly close to any of them. However, he believed DANZIGER was best known to he and PERL since DANZIGER resided in the same neighborhood in the Bronx.

KLEIN furnished the following signed statements concerning the purchase of a 1941 Studebaker by WILLIAM PERL from EDWARD K. RHODES during September of 1948, which statements are being retained in the exhibit envelop of 65-2730:

"September 12, 1950
Cleveland, Ohio

"I, Milton Klein, do make the following voluntary statement to John E. O'Donoghue and David A. Wible, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. I have been advised I need make no statement, that I have the right to the advice of counsel and that any statement I make may be used against me.

"I recall that during the early fall of 1948, William Perl, an associate at the National Advisory Committee for Aeronautics and who I had known since my youth, mentioned he was in the market for a used automobile. On one occasion I accompanied him when he went to inspect a Studebaker (Nineteen forty-one model) at an east side Cleveland address. After inspecting this automobile I recall Perl purchased it and we drove

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"off in the Studebaker together. Approximately ten or fifteen minutes after, the Studebaker broke down. Perl attempted to fix the Studebaker but was unable to do so. He then called the person from whom he purchased the Studebaker and shortly after that individual came to the place where the auto had broken down and offered assistance.

"Last night I accompanied Special Agents F. John M. Beattie and David A. Wible to a home on East 110th St., Cleveland and observed a man who is the person who sold Perl the Studebaker. He was introduced to me as Edward Rhodes and I then recalled this to be the name of the seller of the aforementioned Studebaker.

"I have read the foregoing statement, consisting of this and one other page, and to the best of my recollection, is true and accurate.

/s/ Milton M. Klein

John B. O'Donoghue, Special Agent, FBI, Cleveland, O., 9/12/50
David A. Wible, Special Agent, FBI, Cleveland, O., 9/12/50"

* * * * *

"September 12, 1950
Cleveland, Ohio

"I, Milton Klein, do make the following voluntary statement to John B. O'Donoghue and David A. Wible, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. I have been advised I need make no statement, that I have the right to the advise of counsel and that any statement I make may be used against me.

"I do not know Michael Sidorovich nor am I able to recognize a photo of him, as furnished to me by Special Agent O'Donoghue. I do not recognize the name Robert E. Pfleger and I have never entered into any dealings, social or business with either Sidorovich or Pfleger. I never, to my recollection, looked at or sought to buy, either myself

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"or in the company of anyone else, an automobile in Parma, Ohio.

"I have read the foregoing statement, and to the best of my recollection, it is true and accurate.

/s/ Milton M. Klein

John B. O'Donoghue, Special Agent, FBI
David A. Wible, Special Agent, F.B.I. "

Mrs. RICHARD J. JENKINS, 666 East 103rd Street, Cleveland, advised SA VINCENT R. N. POLI that she controls the premises at this address and rented an upstairs apartment to one SIDNEY M. HARMON, an employee of NACA, who in turn sublet the apartment to WILLIAM PERL. During this period, the Summer of 1950, HARMON was studying at the University of Michigan, Ann Arbor, Michigan. Mrs. JENKINS knew of no unusual activities on the part of PERL; but identified a photograph of MICHAEL SIDOROVICH as a man who came to her home and asked for PERL sometime during the middle of July. She recalled that this person wore a straw hat, glasses, and a light brown suit. After directing him to PERL's apartment she did not see him again.

On August 16, 1950, SA WIBLE accompanied Mrs. JENKINS to the neighborhood of 8706 Carnegie Avenue, where Mrs. JENKINS viewed MICHAEL SIDOROVICH from a vantage point as he returned home from work at approximately 6:30 P.M. Mrs. JENKINS stated that she was able to get a very good look at SIDOROVICH and she felt he looked enough like the individual who had inquired for PERL to be that person's twin brother. However, she stated she would not be able to testify under oath that SIDOROVICH was identical with the unknown called since she was not certain.

Physical surveillance to date has failed to reflect SIDOROVICH has ever worn clothes such as described above and has never been seen to wear a suit coat.

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ROBERT RESNICK

During the course of previous interviews PERL has advised he was acquainted with ROBERT RESNICK during the period of RESNICK's employment at NACA.

WILLIAM G. GIBBONS, Director of Personnel, Lewis Flight Propulsion Laboratory, NACA, has advised PERL was closely associated with [REDACTED] and was [REDACTED]'s immediate superior until [REDACTED] resigned in June, 1946. b7c

Personnel records of NACA reflect [REDACTED] was employed by that organization from April 8, 1944, through June 24, 1946, at which time he resigned.

Confidential Informant T-1, of known reliability, advised on September 25, 1944, that ROBERT RESNICK was a member of the Ward 19 Club of the Communist Political Association, Cleveland, Ohio. T-1 and T-2, of known reliability, have advised that throughout the remainder of 1944 and through March, 1945, RESNICK was known to them to attend CPA meetings.

Confidential Informant T-3, of known reliability, advised [REDACTED] was investigated under the Hatch Act and "cleared" by [REDACTED] Lewis Flight Propulsion Laboratory, NACA, in March, 1946. b7c

[REDACTED] b7d

Confidential Informant T-4, of known reliability, advised on May 18, 1947, that ROBERT RESNICK had told HELETTEN HAVEMAN, Secretary of the Civic Club, White Collar Section, that he would soon

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finished with exams at school and would thereafter be able to take a more active part in the section's affairs. The informant advised that on May 11, 1947, RESNICK had requested MAURICE BRAVERMAN to take over the mailing list since he would be busy with exams for two weeks. On April 29, 1947, the informant advised that persons endeavoring to locate the place where a meeting would be held on that date were instructed to call BOB RESNICK at Forest 5452, Baltimore, and he would furnish them the required information.

T-5 also stated that on September 24, 1947, MAURICE BRAVERMAN and BOB RESNICK were attempting to get new members to attend the CP meeting on September 25, 1947.

It is noted that at the time RESNICK resigned from NACA he accepted a position as instructor at Johns Hopkins University at Baltimore, Maryland. In August, 1949, RESNICK accepted a position as Associate Professor in the Physics Department at the University of Pittsburgh. There has been no indication of Communist activity on the part of RESNICK since his arrival in Pittsburgh.

HERMAN T. EPSTEIN

WILLIAM PERL has advised he was closely associated with EPSTEIN during the period both were employed at NACA, Cleveland, Ohio, from January, 1944, until the Fall of 1946.

On September 11, 1950, HERMAN T. EPSTEIN, Associate Professor of Physics, University of Pittsburgh, was interviewed concerning his connections with PERL. EPSTEIN advised that he first met PERL in January, 1944, when he, EPSTEIN, accepted a position at NACA, Cleveland, Ohio. EPSTEIN stated that he was employed in the Theoretical Section, Wind Tunnel Division, and that PERL was his immediate supervisor. EPSTEIN informed that he worked with PERL for approximately three years until the fall of 1946, when he, EPSTEIN, resigned his position and went to the University of Michigan to study for his doctor's degree. EPSTEIN advised that he and PERL have kept in correspondence and personal contact since that time and that he, EPSTEIN, considers himself to be one of PERL's closest friends.

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In connection with this statement, EPSTEIN advised that PERL had very few outside contacts, kept very much to himself and was very conscientious in his work. EPSTEIN recalled being in personal contact with PERL in June, 1950, when EPSTEIN attended a five-day conference on biophysics at Oberlin University. He also recalled seeing subject in Cleveland during May, 1950. EPSTEIN stated that he had also been in contact with PERL on other occasions which he could not specifically recall at this time. By way of explanation, EPSTEIN stated that during the past 1½ years he, PERL, and one, Dr. WILLIAM JORDAN, presently at the University of Washington, Seattle, Washington, have been working together on a problem in biophysics, and that consequently, whenever possible, they have managed to get together to discuss the problem.

It is noted that EPSTEIN stated that he only met JORDAN on one occasion in Cleveland; that JORDAN was an acquaintance of the subject, and that he believed JORDAN is a medical doctor.

At the beginning of the interview EPSTEIN stated that in June, 1950, the subject told him that he was considering accepting a position at Columbia University in New York City, and that he also had under consideration several other jobs including a Government position of some type. EPSTEIN further stated that the subject had also indicated a contemplated trip to Seattle in order to work with JORDAN. EPSTEIN stated that he has not as yet heard from PERL concerning his, PERL's, present activities but that he expects a letter from him in the very near future. EPSTEIN expressed the opinion during the interview that the present inquiry of the FBI had to do with a position which PERL is seeking and nothing was done to change EPSTEIN's opinion.

On September 12, 1950, subsequent to the interview of EPSTEIN, one CLEM RICKETTS, Internal Revenue Agent, Office of Internal Revenue, 601 Sheraton Hotel, Pittsburgh, personally appeared at the Pittsburgh Office and advised SA EDWARD H. WACHHOLZ that he, RICKETTS, resides on the third floor of a residence at 210 South St. Clair Street. RICKETTS advised that HERMAN T. EPSTEIN, a biophysicist at the University of Pittsburgh, resides on the second floor of this residence. RICKETTS stated that he and his wife have noticed that EPSTEIN has been receiving Communist literature, including the "Daily Worker". RICKETTS further

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informed that in the past Mrs. RICKETTS has observed people coming in and out of the EPSTEIN apartment, and that she recalls at one time that EPSTEIN, in company with visitors, was operating either a recording machine or some sort of a shortwave radio set. RICKETTS also informed that the occupants of a next-door apartment, DONALD and ELEANOR MAIETTA, had until recently been fairly close friends of the EPSTEINS. RICKETTS stated that at the present time they did not seem to be particularly friendly and that during the evening of September 11, 1950, MAIETTA made the statement to RICKETTS that EPSTEIN is a "big left-winger in the Pittsburgh district."

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LABORATORY REPORTS

✓ WILLIAM PERL has advised that when he was contacted by VIVIAN GLASSMAN on July 23, 1950, she wrote out her message to him on a pad of ruled paper. On July 26, 1950, PERL furnished the remains of that pad consisting of four sheets of ruled paper and one sheet of ruled paper containing handprinting and handwriting in pencil consisting of a note to his maid, MATTIE BROOKS. The Laboratory by report dated August 1, 1950, advised that no indented messages could be found on these specimens.

The FBI Laboratory by report dated August 17, 1950, advised that the following money order applications, all bearing the name of the signer as W. PERL, were executed by WILLIAM PERL:

#162213 dated January 20, 1947

#57474 dated July 25, 1947

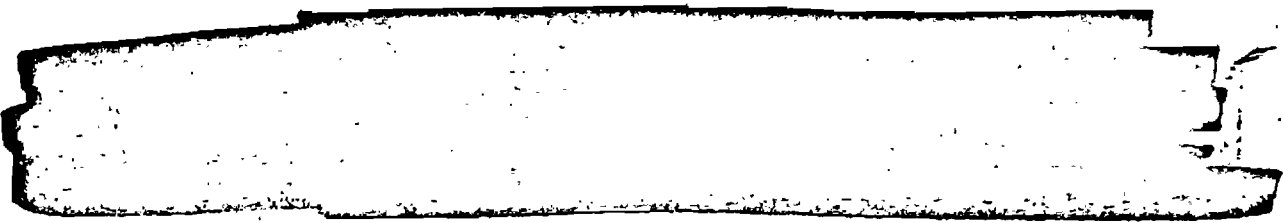
#195061 dated September 23, 1947

#199603 dated October 28, 1947

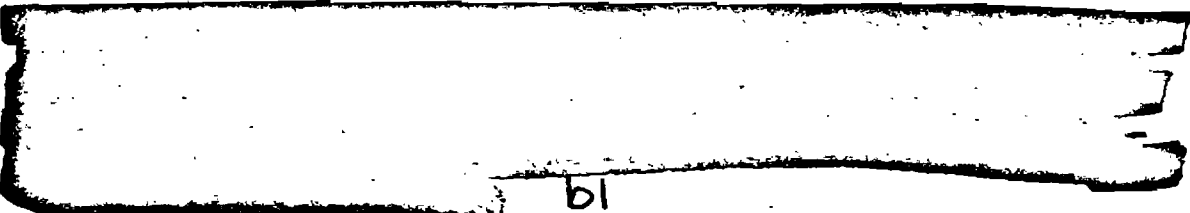
#211814 dated January 22, 1948

#913574 dated November 24, 1948

By report dated August 31, 1950, the FBI Laboratory advised that money orders #50990 dated August 30, 1948, #52296 dated September 23, 1948, and #54227 dated October 22, 1948, were executed by WILLIAM PERL. All of the above money orders were made payable to A. SARANT, Ithaca, New York.



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b1

The Laboratory by report dated September 5, 1950, advised that the typewriting on the letter dated August 9, 1950, directed to Mr. N. WALTER at Mexico D.F., was compared with various typing specimens secured from PERL's apartment during an authorized search.

By report dated September 6, 1950, the Laboratory advised that a photograph of three sets of typewritten statement by WILLIAM PERL dated July 28, 1950, was compared with the letter directed to Mr. N. WALTER, Mexico D.F., referred to above, without effecting an identification.

- P E N D I N G -

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ADMINISTRATIVE PAGE

Confidential Informant T-1, of known reliability, advised that subject has been in contact with the following persons and/or organizations:

Walter J. Johnson, Inc.
125 East 23rd Street
New York 10, New York

U. S. Department of Agriculture
Washington 25, D. C.

Melard Manufacturing Company
37-25 32nd Street
Long Island City 1, New York

Planters Nut and Chocolate Company
632 South Main Street
Wilkes-Barre, Pennsylvania

H. R. March
University of Washington
Seattle 5, Washington

Sidney M. Harmon
Box 226, Greene House
Ann Arbor, Michigan

Institute of Electrical Engineers
Savoy Place, Victors Embankment
London W.C. 2

Sadie Mutterperl
936 Tiffany Street
Bronx, New York

It is noted SADIE MUTTERPERL addressed her letters to the subject as late as August 7, 1950, to 16802 Larchwood Avenue, Cleveland, although he had been residing at 666 East 103rd Street, Cleveland, since the latter part of June.

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PERSONNEL RECORDS - NACA

The following material was copied from documents
contained in PERL's personnel file at NACA.

CV. F. O.
65-280
JBO:DG

"10/16/39."

"Memo. for Administrative Officer

"Subject: Transfer to Physical Research Division.

"For approximately six months I have been assigned to the Maintenance Section. While I have no complaint to make concerning my treatment in the Maintenance Section, I do not feel that I am of as much value to the Committee in this section as I could be elsewhere for the following reasons:

"a) The duties I am assigned to at present, being necessarily of a practical nature, do not interest me as much as I believe research work would.

"b) My interests are in the direction of mathematics and physics.

"In view of the foregoing I beg you consider transferring me to the Physical Research Division."

"Respectfully Submitted,

/s/ "WILLIAM MUTTERPERL"

"App WHC
10/16/39"

CV. F. O.
65-2730
JBO:DG

"MAR 29 1941"

"Sir:

"Pursuant to action of the Committee on Personnel, Buildings, and Equipment, you are hereby rerated from Junior Electrical Engineer, Grade P-1, with pay at the rate of \$2200 per annum, and appointed Assistant Electrical Engineer, Grade P-2, with pay at the rate of \$2600 per annum, effective April 1, 1941.

"Respectfully,

"NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS,

"J. F. Victory
Secretary.

"Mr. William Mutterperl,
Langley Memorial Aeronautical Laboratory,
Langley Field, Hampton, Virginia.

(Through official channels.)

DAH
COPY TO LMAL
CERTIFICATE NO. P-11471, SR:HH, 3-19-41"

CV. F
65-2730
JBO:DG

"Langley Field, Va.
April 8, 1943

"MEMORANDUM For Chief Aerodynamics Division.

"Subject: Recommendation for the promotion of
Mr. WILLIAM MUTTERPERL.

"1. It is recommended that Mr. WILLIAM MUTTERPERL be promoted from his present pay status of Associate Electrical Engineer (P-3) at \$3200 per annum to Aeronautical Engineer (P-4) at \$3800 per annum.

"2. Mr. MUTTERPERL has demonstrated exceptional ability in theoretical research and in his ability to grasp, understand, and develop difficult and abstruse problems. His recent work on the theory and design of axial-flow fans represents an outstanding bit of research and is a substantial contribution in this field. His theoretical studies of sweepback, airfoils in cascade, and development of new methods for the calculation of pressure distribution on airfoils are examples of the type of analytical studies which he is capable of handling. Mr. MUTTERPERL has a brilliant mind and has shown a continuous improvement during the several years he has been at the full-scale tunnel. I firmly believe that he will make even more substantial contributions in the field of aerodynamics and feel that he should be encouraged in every way possible."

"/s/ ABE SILVERSTEIN

Abe Silverstein,
Principal Aeronautical Engineer.

AS.flw

EWM 4/14"

CV. F. O.
65-2780
JBO;IG

CG122-1 (MUTTERPERL, WILLIAM)

"Memorandum to Mr. H. J. E. REID.

"Subject: Absence from the Laboratory on May 31 and June 1, 1943"

"I was away from the field on May 31, and June 1. Because the necessity for my departure became apparent very shortly before I left, and because I did not realize that Monday was a holiday, formal permission to leave was not requested. It is believed that no great delay in my work occurred because of my absence."

/s/ "WILLIAM MUTTERPERL"

"O.K. H.O.W. - June 5, 1943.

"Rec. Approval

EHJ for EUM

Approved:

MDH 6/10/43"

CV. F. O.
65-2730
JBO:DG

"Langley Field, Va.,
November 18, 1943.

"Mr. Abe Silverstein,
National Advisory Committee for Aeronautics,
Cleveland, Ohio.

"Dear Abe:

"In regard to MUTTERPERL'S transfer, I talked the matter over with MUTTERPERL and DEARBORN and it looks as though it will be possible to transfer him to Cleveland about December 1 as we previously agreed. MUTTERPERL is getting his affairs arranged with this in view.

"As regards MUTTERPERL'S papers, the situation has not changed appreciably as yet. As we agreed, I have JONES and von DOENHOFF looking these papers over with a view to commenting particularly on their usefulness and I have hopes that we will be able, with perhaps certain revisions in the presentation, to get them published. I don't think that we can clean them up before the first of December, and after talking to MUTTERPERL and DEARBORN I believe that with KATZOFF'S assistance we can handle the situation at least until actual revision is required; at which time of course we could send KATZOFF'S suggestions to MUTTERPERL for final changes. With the date so uncertain as regards the final disposition of these papers, I think it best that MUTTERPERL go to Cleveland about December 1.

"I will take steps here to clear MUTTERPERL for this transfer but I suggest that you, as a matter of record at least, start through a request from Cleveland for his transfer there.

"We are having a lot of grief with the fan on the PBM-3 and I may want to get you down for a couple of days to help us thrash the solution out. So keep your work organized so you can get away for a couple of days on short notice."

"Yours very truly,

/s/ "J. W. CROWLEY

John W. Crowley, Jr."

CV. F. OF
65-2780
JBO:DG

"Cleveland, Ohio
November 20, 1943.

"Mr. SESSIONS -

"MEMORANDUM: Mr. KEMPER,
Executive Engineer. C.K.

"It is requested that necessary paper work be initiated for an official transfer of Mr. WILLIAM MUTTERPERL from the L.M.A.L. to the A.E.R.L. on or about December 1, 1943. This date has been checked with Mr. CROWLEY of L.M.A.L., and is satisfactory as indicated on the attached letter."

/s/ "ABE"

"Abe Silverstein,
Chief of Engine Installations Division."

"RCS 11/23

"Gov't expense"

CV. F. O.
65-2730
JBO:DG

"Cleveland, Ohio,
November 25, 1943."

"From AERL
"To LMAL

"Subject: Transfer of Mr. MUTTERPERL to AERL.

"1. It is understood that tentative unofficial preparations have been made between Mr. CROWLEY of LMAL and Mr. ABE SILVERSTEIN of AERL for the transfer of Mr. MUTTERPERL from LMAL to AERL, effective on or about December 1, 1943. It is assumed that it is entirely agreeable to your laboratory to have this transfer consummated. Inasmuch as the transfer will be in the interest of the Government, it is our intention to recommend that the transfer be made at Government expense and we will therefore need the following information regarding Mr. MUTTERPERL.

- "(a) Grade and salary
- "(b) Mode of transportation desired
- "(c) Whether or not household goods or personal effects are to be shipped
- "(d) Whether or not Mr. MUTTERPERL has dependents living with him.

"2. Your prompt attention in reply to this letter will be appreciated as the proposed transfer date of December 1 is fast approaching."

/s/ "EDWARD R. SHARP

Edward R. Sharp,
Manager."

"ECB:mhh

"Copy to Washington Office

"RETURN TO AERL
PERSONNEL FILES"

"Nov. 25 1943"

CV. F. O.

65-2730 -

JBO:DA

"FILE COPY - PERSONNEL OFFICE

TAC-150

December 4, 1943

"Sir:

"Pursuant to authorization of the Chairman, you are hereby transferred from Aeronautical Engineer P-4, with pay at the rate of \$3800 per annum, Langley Memorial Aeronautical Laboratory, Langley Field, Hampton, Virginia, and appointed Aeronautical Engineer, at the same grade and pay, Aircraft Engine Research Laboratory, Grayton and Brookpark Roads, Cleveland, Ohio, effective from the date of your entrance on duty.

"This transfer is required in the interest of the Government and is not for your convenience.

"You are hereby authorized to proceed to Cleveland, Ohio, at the earliest possible date, via privately-owned automobile, and for necessary direct automobile travel you will be allowed 4 cents per mile. It has been determined that travel by automobile is more economical and advantageous to the Government.

"While traveling under this authority you will be allowed traveling expenses in accordance with the Standardized Government Travel Regulations, including \$6.00 per diem in lieu of subsistence. The excess time required for travel by automobile over that required for travel by train will be charged to your leave account and subsistence will not be allowed for such time.

"You are authorized to have your household and personal effects shipped at Government expense in accordance with the provisions of the attached Executive Order No. 8588 of November 7, 1940, as amended, applicable to persons having no dependents living with them. Shipment shall begin within the six-month period following the effective date of this transfer, unless an extension is requested and approved within that period. The provisions of the Executive Order will be strictly observed."

"Respectfully,

"Mr. WILLIAM MUTTERPERL
Aeronautical Engineer P-4
Langley Memorial Aeronautical
Laboratory
Langley Field, Virginia

NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

E. H. CHAMBERLIN

(Through official channels.)

Acting Secretary"

Enclosure

MEK

CV. F. O.
65-2730
JBO:DG

W-40025 ML NEWYORK NY JUN 11

85733

E
S ABE SILVERSTEIN, NACA AIRCRAFT ENGINE RESEARPH LABORATORY
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E CLEVELAND AIRPORT
R
N STAYING OUT ABOUT A WEEK EMERGENCY WIRE CARE

U WESTERN UNION GRAND CENTRAL IF NEEDED

N
I W MUTTERPERL

O
N 859A June 12..

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L
E
G COPY FOR

R
A Leave Office
M

CV. F. O.

65-2760

JBO:EG

(PERL)

"201 MUTTERPERL, WM

"Cleveland, Ohio,
November 9, 1944.

"MEMORANDUM For Manager.

"Subject: Overdrawn leave.

"1. I have taken a total of 28 days leave this year.
My leave is therefore 8 days in excess of the maximum time
granted.

"2. The overdrawal of leave was made necessary by my
marriage and the ensuing difficulty of locating a suitable place
to live.

"3. It is requested that the excess leave be granted
as annual leave."

/s/ "WILLIAM MUTTERPERL

William Mutterperl,
Aeronautical Engineer."

"WM:hmg
AS

"Approved:
ABE/eal

"A. C. BRAIG
For the Manager"

"RETURN TO AERL
PERSONNEL FILES"

CV. F. 6
65-2730
JBO:DG

"PERL, WILLIAM

NACA-Cleveland

"Cleveland, Ohio,
February 23, 1945

"MEMORANDUM For the Manager.

"Subject: Recommendation for promotion of Mr. WILLIAM PERL,
Analytical Section, Engine Installation Research
Division.

"1. It is recommended that Mr. WILLIAM PERL be promoted from Aeronautical Engineer, grade P-4, at the rate of \$3800 per annum, to Aeronautical Engineer, grade P-5, at the rate of \$4600 per annum.

"2. Mr. PERL entered duty with the Committee on April 8, 1939, as a Junior Electrical Engineer, grade P-1, at the Langley Field Laboratory. While at Langley Field he was attached to the Analytical group of the Full-Scale Wind Tunnel, under my supervision. On December 23, 1943, he was transferred to the Cleveland laboratory to take charge of the Analytical Section of the Engine Installation Research Division.

"3. Mr. PERL'S work has been outstanding during the entire period of his employment. His knowledge and skill in the field of theoretical and applied aerodynamics rank him as one of the leading men in the field, and he has written papers which may prove to be classics in the field of potential flow. His publications include the following:

"(a) 'Calculation of Span Load Distributions on Swept Back Wings,' December, 1941 - T.N. 834, by WILLIAM MUTTERPERL (since abbreviated to WILLIAM PERL).

"(b) 'The Conformal Transformation of an Airfoil into a Single Straight Line, and its Application to the Inverse Problem of Airfoil Theory,' December, 1944 - ARR No. 14K22a, by WILLIAM MUTTERPERL.

- "(c) 'High Altitude Cooling - Part VI - Axial-Flow Fans and Cooling Power,' September, 1944 - ARR No. 14111e, by WILLIAM MUTTERPERL.
- "(d) 'A Solution of the Direct and Inverse Potential Problems for Arbitrary Cascades of Airfoils,' December, 1944 - ARR 14K22b, by WILLIAM MUTTERPERL.
- "(e) 'The End-Plate Effect of a Horizontal Tail Surface on a Vertical-Tail Surface,' February, 1941 - T.N. 797, by WILLIAM MUTTERPERL and Mr. KATZOFF.
- "(f) 'A Two-Dimensional Incompressible Potential Flow of Corrugated and Distorted Infinite Surfaces,' January, 1945 - ARR ESA05, by WILLIAM PERL and L. J. GREEN.
- "(g) 'Some Effects of Compressibility of the Flow through Fans and Turbines,' December, 1944, by WILLIAM PERL and H. EPSTEIN.
- "(h) 'A General Representation for Axial Flow Fans and Turbines,' January, 1945, by Mr. PERL and Mr. TUCKER.

"4. Mr. PERL is at present in charge of about 12 men, who are engaged in theoretical and applied research relating to problems of jet propulsion, missile design, and supersonic wind tunnel design. He has shown ability in developing the men who are working for him, so that they produce a high quality of research. His group is at present working on the difficult problems relating to the determination of theoretical pressure distributions on airfoils in cascades, and are obtaining excellent results. He has also developed a method of applying the relaxation method to the calculation of the flow over airfoils in cascades and in channels at high velocity.

"5. Because of his excellent record, and outstanding brilliance in the field of theoretical and applied aerodynamics, because of his continued excellent work in the associated fields of jet propulsion and missile development, and because of his superior ability in directing the work of his juniors, it is believed that Mr. PERL is entitled to promotion to the position of Aeronautical Engineer, grade P-5.

"Approved for change in grade from P-4 to P-5."

/s/ "C. KEMPER 2/24/45

/s/ "ABE SILVERSTEIN

Abe Silverstein, Chief,

- 34 - Engine Installation Research Division."

CV. F. O.

65-2730-

JBO:DG

"65 Morton St.
New York 14, N.Y.
Feb. 12, 1947.

"Addison M. Rothrock
Chief of Research
Aircraft Engine Research Laboratory
NACA

"Dear Mr. ROTHROCK,

"I should like to request a year's extension of my leave of absence which ends about Feb. 16, 1947. The main reason for this request is that I stand a fair chance of doing a thesis under von KARMAN here at Columbia University.

"I realize and quite regret the fact that I am more or less breaking my word of a year ago of returning to the organization at this time. Perhaps my present (unforeseen) opportunity of studying under von KARMAN will be considered a reasonable extenuating circumstance.

"I deeply hope that you will be favorably disposed toward my desire to maintain this interim connection with NACA."

"Sincerely yours,

/s/ "BILL PERL"

"LWOP approved for
1 week ending 2-23-47
by TOUSIGNONT 2-18-47
ELF

"L.W.O.P. for period
requested by Mr. PERL approved.

/s/ "ABE SILVERSTEIN/elf"

"approved

/s/ J. D. TOUSIGNANT"

CV. F. O.
65-2730
JBO:BG

"March 10, 1948.

"Mr. William Perl,
65 Morton Street,
New York 14, N. Y.

"Dear Mr. Perl:

"This is to advise that your leave without pay period
has been extended to June 15, 1948 in order that you may complete
your present semester's work at Columbia University.

"It is requested that you immediately report to the
PERSONNEL OFFICER upon your return to duty."

"Yours very truly,

ROBERT W. SCHMIDT

Robert W. Schmidt,
Acting Asst. Personnel Officer."

"RWS:jmc
cc A. SILVERSTEIN
Pers. Records
Pers. Actions
Fiscal
Empl. Relations
Files

RETURN TO AERL
PERSONNEL FILES"

CV: F. O.

65-2720

JBO:DG

"March 5, 1948.

"Mr. William Perl,
65 Morton Street,
New York 14, New York.

"Dear Sir:

"The Investigation of Employees under the President's Loyalty Program under Executive Order 9835 dated March 21, 1947 requests that each employee submit Standard Form 84 'Request for Report on Loyalty Data' and Standard Form 86 'Fingerprint Chart'. This program must be completed by March 10, 1948. It is therefore requested that you complete the attached forms and return to this office immediately.

"Your Fingerprint Chart may be taken to the Local Board of Civil Service Examiners (Local Post Office) or the Police Station located in New York, New York.

"A self-addressed envelope is enclosed herewith for your convenience."

"Yours very truly,

/s/ "EM

Emilie Mateyka,
Chief, Employment and
Examining Section."

"Encls.
mb"

CV. F. O.
65-2700
JBO'D:jmc

"April 13, 1948

"Mr. WILLIAM PERL,
65 Morion Street,
New York 14, New York.

Dear Mr. PERL:

"The laboratory has been following your work at Columbia University with interest and has been very gratified with your progress.

"I am pleased to inform you that Mr. SILVERSTEIN has recommended you for promotion to the position of Aeronautical Research Scientist, P-6, \$7102.20 per annum, and that this promotion has received necessary NACA approvals.

"Payroll regulations prohibit the promotion of an employee in a leave without pay status and; therefore, your promotion will not be effective until you report to duty status.

"I am bringing these matters to your attention so you will know that the NACA has completed all action on its part necessary to give you a P-6 rating.

"We will appreciate hearing from you as to when you will report to duty status. In the event you have any questions regarding this matter, do not hesitate to bring them to my attention.

Yours very truly,

/s/ JOHN D. TOUSIGNANT

JOHN D. TOUSIGNANT,
Personnel & Administrative Management Officer.

VG:mes
c.c. Personnel
Files
Silverstein "

C. F. O.

65-2730

EO'D:jmc

"Box 88 Pupin Lab.
Columbia University
New York 27, N.Y.
Apr. 23, 1948

85940

210101

"Dear Mr. TOUSIGNANT,

" I wish to inform you that I plan to return to the
Cleveland Laboratory on or about June 1, 1948.

" May I take this opportunity of also of expressing
my appreciation for the promotion recently granted me?

" Please inform me of any necessary formalities
pursuant to my return to active duty.

Cordially yours,

/s/ WILLIAM PERL

"Please call me on this

JOF

"To
Write letter for my signature telling
him what to do.

JOF "

CV. P. O.
65-730
JBO: D-jmc

" NACA - Lewis

" Cleveland, Ohio,
December 10, 1948.

" MEMORANDUM For Personnel Officer.

Subject: Recommendation for promotion of Mr. WILLIAM PERL, Chief,
Theoretical Analysis Panel, Wind Tunnel and Flight Division.

" 1. It is recommended that Mr. WILLIAM PERL be promoted from Aeronautical Research Scientist VI to Aeronautical Research Scientist VII. Mr. PERL has been with the NACA for almost 10 years except for a period of approximately 18 months in which he was taking graduate work at California Institute of Technology and Columbia University. He has now completed his course work and thesis for his Doctor's degree.

" 2. Mr. PERL's work has been outstanding during the entire period of his employment. His knowledge and skill in the fields of theoretical and applied aerodynamics rank him among the leaders, and several of his papers may prove to be classics in their fields. During his stay at Columbia University, Mr. PERL served as assistant to Dr. VON KARMAN, who has the highest respect for Mr. PERL's scientific ability.

" 3. Mr. PERL is in charge of the Theoretical Analysis Panel of the Wind Tunnel and Flight Division which is engaged at present in the fundamental studies of three major fields: supersonic flow, transonic flow, and boundary layers. In addition to supervising studies on these subjects, Mr. PERL is personally engaged in preparing for publication a new theory on transonic flows, which is believed to be a substantial contribution to the subject.

" 4. Because of Mr. PERL's outstanding researches in the field of theoretical and applied aerodynamics and because of the invaluable and irreplaceable nature of his contributions, it is recommended that he be promoted to the position of Aeronautical Research Scientist VII. Mr. PERL is entitled to a P-7 grade according to the present classification.

/s/ ABE SILVERSTEIN

ABE SILVERSTEIN, Chief,
Wind Tunnel and Flight Division.

" AS; aw CLASSIFICATION RECOMMENDATION: December 30, 1948

Allocated to class titled, Supersonics Theoretical Scientist, Description 402, Grade P-8, which is pending NACA Headquarters approval.

APPROVED 1/7/49 " - 40 -

CV. P. O.
65-730
JBO D:jmc

" NACA - Lewis

" Cleveland, Ohio,
February 2, 1949

" MEMORANDUM For Chief, Wind Tunnel and Flight Division.

Subject: Request for official leave.

" 1. Official leave is requested for the period of January 24 through January 28 during which time the writer attended the annual meetings of the Institute of Aeronautical Sciences and the American Physical Society in New York.

" 2. Some highlights of the meetings are as follows:

" (a) The paper of BUSEMANN on "The Problem of Drag at High Subsonic Speeds" was based on the concept of GUNDERLY that flows past airfoils with continuous local supersonic regions occur theoretically only rarely regardless of size of local supersonic region. This concept is in contradiction with the actual calculations of supercritical velocity distributions for airfoils by the methods of KAPLAN, EMMONS, and PERL. No attempt was made by BUSEMANN to reconcile these results with the aforementioned concept of GUNDERLEY.

" (b) Substantial progress in setting up a statistical theory of isotropic turbulence was outlined by LIN in the turbulence symposium. The progress has been based essentially on applying the concept of similarity to the spectrum of turbulence. Very impressive checks with experiment were indicated. The theory is still basically phenomenological. A basis has been established however for deepening the analysis on the one hand toward a truly statistical theory and on the other hand for making a start on non-isotropic turbulence. Much emphasis is being placed on refining and making precise the experimental results, on which the theory is extremely dependent. These aspects were discussed by CORRSIN, LAUFER, KOVASZNAVY, and FRENKIEL. The astronomers seem to be taking a great interest in turbulence. For example, turbulent flow processes in the sun are required to explain the high temperatures (of order on million degrees Centigrade) existing in the sun's outer atmosphere and responsible for the ultra-violet and x-ray radiations received by the earth.

" (c) The joint paper by KLEIN and PERL on "Calculation of Compressible Flow Past Ellipsoids of Revolution by an Integral Method" elicited an inquiry from Mr. KENT (of Aberdeen Proving Ground) as to how the method compared with the relaxation method. The impression is that a wait-and-see attitude exists toward the integral method pending more extensive comparisons of results with those by other methods.

CV. F. O.

65-2730

JBQ: Jmc

"(d) The use of the shock tube as an instrument for high speed (Possible hypersonic) investigations and for studies of transient phenomena and phenomena requiring low free stream turbulence was discussed. The results presented, considering the simplicity and negligible power requirements of the shock tube, were very impressive to me. Research on this instrument might well be undertaken at this laboratory.

"(e) An interesting paper on the stability of plane flame fronts normal to a stream was presented. The methods used were similar to those by which the stability of a laminar boundary layer is analyzed. A photograph of the initial stages of the breakup of a laminar flame front was presented which showed that the theoretical problem is not an academic one.

"(f) On the fundamental side, the retiring presidential address of the American Physical Society by J. R. OPPENHEIMER on "Fields and Quanta" was a model illustration of how to combine difficult technical considerations with a poetic and generally illuminating method of delivery. OPPENHEIMER's opinion seemed to be that in a couple of years, when "the mathematics has been slugged through," the particle and wave aspects of a field of radiation is in interaction will have been combined into a satisfactory over-all theory.

"3. In general, the opportunity afforded by the meetings of exchanging views and gossip with other researchers was considered quite valuable. In my opinion the Lewis laboratory would benefit materially from a wider representation at such meetings.

WILLIAM PERL

Aeronautical Research Scientist.

"WP:aw

"c.c. Mr. SILVERSTEIN
Mr. PERL
Files

APPROVED AS/DDW

CV F. O.
65-2730
JBC'D: jms

"Personnel
Records

"From LEVIS
To NACA Headquarters

"Subject: Request for authorization for the detailing of LAWRENCE
J. MEEM and WILLIAM PERL to the Oak Ridge National
Laboratory.

"1. As a result of Mr. BEN PINKEL's visit to the Oak Ridge
National Laboratory on November 22, 1949, it is considered desirable
that LAWRENCE J. MEEM and WILLIAM PERL be detailed to this organi-
zation for a period of approximately one year to undertake certain
research investigations for the NACA.

"2. Approval is requested for arranging directly with Dr.
*WEINBERG of Oak Ridge for the detailing of these employees and for
authorizing the necessary travel. It is recommended that per
diem be allowed during periods of actual travel and for a period
of 30 days after arrival of the above employees during which time
they will have an opportunity to secure suitable living accom-
modations.

/s/

AHE SILVERSTEIN,
Chief of Research.

JDT:mes"

CV. F. O.
65-2730

LETTERS FOUND IN PERL'S APARTMENT

The following material was copied from data obtained during an authorized search of the apartment at 666 East 103rd Street, Cleveland, Ohio, then occupied by WILLIAM PERL:

CV. F.O.

65-2730

A letter addressed to Mr. WILLIAM PERL, 570, Lexington Avenue, Room 711, New York 22, N.Y., U.S.A., and bearing return address Th v. KARMAN California Hotel, 16, Berri Paris, 8a, is as follows:

(1)

Th. v. Karman
California Hotel
16, rue de Berri
Paris

July 13th 1947

Mr. William Perl

Dear Bill;

"We safely arrived in Paris.

"I contacted various French aerodynamitists and find they are engaged in the same problems as we are.

"I found a fellow who works in conical flows and another man who works on detached shock waves. I think you ought to work on the latter problem. Nobody is yet so far, but sometimes they will get there.

"With best regards,

Cordially yours,

Th. v. Karman"

A letter addressed to Doctor William Perl, Aerodynamic Institute, Cornell University, Ithaka, U.S.A.; and forwarded to Dept of Physics, Columbia Univ. New York, New York, bearing return address of Eidgenössische Technische Hochschule Institut für technische Physik, Zürich, is as follows:

(2)

September 4th 1947.

Doctor William Perl,
Aerodynamic Institute,
Cornell University,
Ithaka, U.S.A.

Dear Doctor:

CV. F. O.
65-2780

"On the occasion of a meeting in St-Louis (France), my coworker, Mr. E. Roth of Lucerne, and myself were able to discuss windperturbation-problems on trajectory with Professor von Karman. We also considered projectiles under the influence of an oblique air stream and Professor von Karman suggested that I should write to you asking for some more details. He told me that you are very well informed in this field.

"I should be greatly obliged to you if you could let me have particulars of the recent publications in U.S.A., especially in connexion with the work of Dr. Tsien, Calif. Institute of Technology.

"It might perhaps interest you that I have spent 2 years at The Calif. Institute of Technology, where I became very well acquainted with Professor von Karman.

Very sincerely yours

Dr. R. Saenger"

* * *

A letter addressed to Mr. William Perl, Box 88, Pupin Lab. Columbia University, New York 27, N.Y.; bearing return address Dr. Theodore V. Karman Hotel California, Paris, is as follows:

(3)

Feb. 4th 1948

"Mr. William Perl
Box 88
Pupin
Columbia University
New York 27, N.Y.

"My dear friend:

"You are really the man who makes my conscience feel badly. I feel that I let you down somewhat, however, I want you to feel that this happened only because I could not do otherwise.

"I hope that you devoted your time to useful studies and if I get back you show me many new things.

"Scientifically my stay in Europe did me a lot of good. I had some time to think over many fundamental questions and since I lost some of my interest in supersonic aerodynamics, I spent lots of time studying turbulence.

"I am, of course, still interested in the transonic problem. A few days ago I talked with Professor Hadamard who is over 80 and still working on existence theorems of the mixed solution. He showed me an old paper of Harry Bateman in which Bateman poses the question of mixed solution very clearly. I was rather surprised. I have never known of this paper of Harry.

"Professor Maurice Roy complained somewhat bitterly that we did, not include his name in the bibliography of my lecture on Supersonic Aerodynamics. I believe I gave you this paper so I put all the blame on you, I hope you do not mind.

"Now one practical question. I wrote to Lillian Fricker and asked her to make some preliminary work for the preparation of my incometax return. I imagine that my files are in your custody? Please be kind enough to help her. I asked her to either go to New York for a day or to write you to tell you which files she needs for the job. I thank you very much for your cooperation.

"My sister send her best wishes and I remain;

Very cordially yours,

Th. v. Karman"

* * *

A letter received from E.B. Badger and Sons Co., 43 Allston St., Beacon Hill; Boston 14, Massachusetts, with the salutation "Dear Will" is as follows:

(4)

"4/15/48

"Dear Will;

"I hesitated to write you any sooner because I wished to sop up as much of this new life as possible so that I may

CV. B.O.
65-2730

"make more accurate statements with regard to present conditions and future plans. My immediate feeling is one of intense happiness. Boston is offering me everything my senses require for satiation. The work I am doing is vaguely similar to what I learned at school, the conditions here on the job are most pleasant, my fellow workers are most helpful in offering me their advice, instruction, and time, & the pace is not killing.

"Besides my work, Boston offers me music. I have enrolled as a special student at the New England Conservatory and have embarked on a rigid work schedule beginning at 8:15 A.M. at which time I punch the time clock at Badgers. Punching out at 5:00 I dash over to the Conservatory where I punch my first "A" at 6:00. At 10:00 PM I stagger out quite punchy. How long can a body last at this rate?

"It is some strange quirk of justice that I find myself now at the N.E.C. Perhaps you will remember that after my discharge from the army I was undecided whether to study music or engineering. I wrote for the catalogues of several out of town music schools including the N.E.C. but the overcrowded conditions at that time was the prime factor pushing me back into the engineering grist mill. Its a bit frightening now to contemplate shouldering both engineering and music for a lifetime. It leaves time barely to do one's laundry and take a haircut. My strategy is to delay coming home for a visit as long as possible. Explain to my family for me in your own inimitable way, will you.

Sam"

* * *

A letter addressed to Mr. William Perl. Box 88 Pupin Laboratory, Columbia University, New York 27, N.Y. U.S.A., and bearing return address of Dienst Departement van Onderwills, Kunsten en Wetenschappen, Laboratorium voor Aero en Hydrodynamica der Technische Hoogeschool, Delft, Nieuwe Laan 76, is as follows:

(5)

"Delft, 27th of April 1948
Nieuwe Laan 76
Telefoon 1310

CV. P.O.
65-2730

"Mr. William Perl.
Box 88, Pupin Laboratory,
Columbia University
New York 27, N.Y.

"Dear Mr. Perl,

"I certainly would be glad if you should come to Delft for doing research work in fluid dynamics. Under the present circumstances this would have to be mainly theoretical (mathematical) work. From your letter I gather that you have been occupied with supersonic problems. Can you indicate somewhat more extensively what you have done?

"Have you done also any experimental work, either on supersonic flow, or on turbulence (with hot wires and amplifiers, etc.) ?

"How long do you intend to stay at Delft? After the summer vacation regular work will start here about October (in September I shall be absent most of the time in connection with scientific congresses).

"I suppose that your nationality is U.S. Do you get a grant from your university for coming over to Holland and for living here? It may be convenient if you would communicate your full name, date and place of birth, and whether your are single or married.

With sincere regards,
yours faithfully,

J. M. Burgers"

* * *

A letter addressed to William Perl, c/o YMCA 3200 Franklin Blvd. Cleveland 13, Ohio, and bearing return address Samuel Perl 936 Tiffany St., Bx. 59, N.Y., is as follows:

(6)

"936 Tiffany St.
Bx. 59, N.Y.
June 9, 1948.

CV. F. O.
65-2780

"Dear Will,

"To bring you up to date, here is a chronological listing of my recent manouverings:

"1) Started negotiations with E.B. Badger & Sons so that I may be employed on a part time basis in order that I may study full time at the New England Conservatory.

"2) Negotiations fail. Reason given - a precedent would be established which would threaten the future security of the company, the Commonwealth of Mass., and civilization as a whole.

"3) Left for N.Y. on vacation to shop for a music school. Spoke to musicians and people in general in order to clarify my thinking and enrolled in the Juilliard Summer School.

"4) Returned to Boston and quit my job.

"5) Returned to N.Y.

Sam"

* * *

A letter addressed to Dr. W. Perl Flight Propulsion Lab. of the National Adv. Committee for Aeronautics, Cleveland (O), and bearing return address of Dr. Theodore V. Karman, Biarritz, Hotel Carllon, is as follows:

(7)

"Biarritz, August 10
Hotel Carllon

"Dear Bill,

"This letter considers my sisters car. At one of my previous visits I agreed, - really without consulting her - that you take the car to Cleveland in order to facilitate your movements from New York to your new post. The idea was at that time, that we return to New York in June and you bring back the car there.

CV. F.B.
65-2730

"Now, that we stay in Europe till November, we want to cancel your use of the car. My sister is very anxious to have the car to her free disposal. Therefore please be kind enough after receiving this letter, but certainly before Sept 7. to bring back the car to the Browns in New Jersey. My sister did not like the whole deal, especially Beehan's and your action without asking her directly.

"I have now a few days free and intend to read carefully your scientific production. This in a next letter.

"With best regards
yours cordally
T. Karman"

* * *

A letter addressed to Mr. William Perl, 1257 Brockley Avenue, Lakewood 7, Ohio, and bearing return address of Clyde E. Brown, Fairchild Publications, 8 East 13th Street, New York 3, N. Y., is as follows:

(8)

"August 20, 1948

Mr. William Perl,
1257 Brockley Avenue,
Lakewood 7, Ohio

Dear Bill:

"We have a house on Long Island for the summer, and Mrs. Brown is there most of the time now, so that I received your letter at the house when I returned there last night.

"Of course, it is all right to bring the car there again. It is probable Mrs. Brown will be there when you arrive on September 2nd or 3rd, but if not just go right ahead and put it in the garage and leave the keys under the front seat. If you arrive on Thursday afternoon the gardner will be there, and if you arrive Friday afternoon the maid will be there.

CV. F.O.
65-2730

"You may telephone me here at the office and we can arrange for someone to be there when you arrive, but that is not really necessary.

"Best wishes.

Sincerely,

Clyde E. Brown"

* * *

A letter addressed to Mr. Will Perl, 1257 Brockley Ave., Lakewood 7, Ohio, and bearing return address of Joseph P. Blum, 7923 - 209th Street, Utopin Station, Flushing, L.I., is as follows:

(9)

"Sept 5, 1948

Dearest Will,

"Before receiving your letter, I had already made up my mind to order the Encyclopedia Americana - I had seen it at Carrie's home. They have been enjoying it for a year. The deluxe edition, which looks like En Br - is 249.50. However, they have a maroon sealcraft binding without gold leaves which they sell at a special price of 169.50. Besides this, for paying cash; Eleanor got a premium of six book of Nature, on Butterflies, Insect, Bird, etc. We got a good Funk & Wagnell dictionary. The set amounts to about \$175 with shipping charges.

"Bobby made a bookcase for the 30 volumes. We have the books already because the salesman delivered them himself from the stockroom. Others advise it is 8 weeks delivery & since we paid for same, I think its foolish to wait since school starts next week & we wanted the children to have the benefit of same.

"They run a Research Institute like En Br - 100 coupons are given for ten years & we can send for an exhaustive treatise in any subject. They do original research & this is a wonderful service.

"You might avail yourself of this. Bobby is sending away a coupon for telescope since he wants to build one.

CV. F.O.
65-2710

"The books seem very worth-while & the children are really enthusiastic about them. You are very right about them being a long-term investment in good thinking.

"They are a movement to your sagacity & good will. Whoever comes in is very much impressed & when we say you bought them as a present for the children, everyone remarks about what a grand brother I have.

"Joe hasn't seen Sam yet. However shall we give him the money. Shall we deduct the \$175 - from the 400 income and you give him the balance of 225. That seems like a simple way of cancelling our debt & yours. Or do you have another suggestion.

"We are looking forward to seeing you in November & your seeing the books at that time. They are a focal point of our living room. Also, for ten years we can get a year book for \$5 - to keep us up to date, if we want same.

"Bobby is getting his treatments three times a week. Shortwave diathermy. He limps slightly but otherwise is getting along fine.

"Stephan Michael is gorgeous.

"P.S. Contrary to popular opinion I am not crazy as my mother thinks."

* * *

A letter addressed to Mr. William Perl, 3200 Franklin Blvd. Cleveland 13, Ohio, was marked "not here" and returned to the sender who then sent it to Mr. William Perl, NACA Flight Propulsion Research Laboratories, Cleveland Airport, Cleveland, Ohio, bearing return address of Tricker, 694 Crestview Ave. Akron 2, Ohio, is as follows:

(10)

"Phone: UNiversity 4310
694 Crestview Avenue
Akron 2, Ohio
September 6, 1948 (Labor Day)

CV. F.B.
65-2730

"Dear Bill,

"Thanks very much for your letter; it was forwarded to me from Boston.

"I have been in Akron since the end of July, because the metabolism ward closed for the summer and I expect that it will re-open on September 15. For the past three weeks, though, we have been away from home. My family took me along to Canada for a vacation. We had a lot of fun and phenomenal luck with the weather. I'm glad that we missed the awfully hot weather of a week or so ago. We stopped in Toronto for the National Exhibition and in Niagara Falls for a quick trip on the "Maid of the Mist."

"All your news about the Boss' movements was a complete surprise to me, because when I talked with Mrs. Schneider she knew nothing about when to expect him or what to do with the mail that was accumulating. Now that you have met Marie you can see that this is the eternal song of each successive secretary, and you have yet to meet the long-suffering one out at Caltech. It's a good thing you have broad shoulders.

"I think it would be very nice if, while I am in Akron (which will be for the rest of this week and next week-end, unless I hear otherwise by then) you could drive the "Karmen Plymouth" down to Akron and have dinner with us. You probably know that Mother got home last fall and that we have a home again. Do let me know when you could come. If I find out in the next few days that I will be in Akron longer, I will drop you a card and you would have more choice of time.

"I hope you'll be able to arrange it and I'll tell you anything you want to know about out experiments; fiendish and otherwise.

Sincerely,

Lillian"

* * *

A letter addressed to Mr. W. Perl, National Advisory Comm. for Aero, Cleveland Airport, Cleveland, Ohio, and bearing return address of H. Moses, Box 85, Pupin Columbia University, New York City, is as follows:

CV. F.D.
65-2730

(11)

"Box 85
Pupin Physics Labs.
Columbia University
New York City
September 18, 1948.

"Dear Bill,

"I'm afraid I've been very much remiss in my correspondence. However, though the summer was pleasant, nothing important enough to write about has happened.

"I'm sorry I missed you when you came to New York to see Von Karman just before he left. Were you able to catch him? What was his reaction when you showed him your results? If your paper is finished, and you have some extra copies, I'd like very much to see what your final results were.

"I spent most of the summer teaching. In the first session I taught physics 3 and 4 and completely understand your boredom with these courses. Physics 11 is much easier and therefore pleasanter. The students in physics 11 can think for themselves and aren't always afraid to make a move without consulting the instructor. In the second summer semester, which has just ended, I was teaching 11. It was a lighter load than in the regular winter or spring sessions because fewer students signed up than expected.

"Kockman's and Seitz's course in the theory of partial differential equations and theory of solids respectively were both very good, except that I had had most of the material previously. Seitz is very meticulous in the preparation of his lectures and they were very worthwhile even though largely descriptive.

"I finally broke down and bought a Dirac and studied it through most of the summer. I'm about $2/3$ through. I found it very good even though his treatment of almost every topic is highly unconventional. I spent much of my time correlating his results with those of more conventional authors. Dirac, however, has a fine materialistic outlook which most other writers don't have. I'm finally learning what second quantization really is although I'm having trouble relating Dirac's treatment to that of Wentzel.

CV. F.O.
65-2730

"This Fall I'm taking Bethe's course in nuclear physics and his seminar on elementary particle theory. I'm also going to start seriously on the problem of pressure broadening of microwave absorption spectra. It occurs to me that if the resonance line width can be related to the pressure in some simple enough way that it might be possible to construct microwaves or infra-red equipment which would measure the pressure at various regions in a steady state fluid. Though it is very premature to talk about such a possibility, do you think the NACA could be interested in constructing such a device if it appears feasible? Here at Columbia they would not be interested, of course. Here they would use any results that I might get for their radar work.

"In this connection I noticed in the most recent physical Review (Sept 15) a technique for using the Debye-Sears theory of scattering of light by sound (I read the D-S article some time ago) to cause modification of light for turbulence measurement. Whether this method has any importance I don't know.

As ever
Harry"

* * *

A letter addressed to William Perl, 16802 Larchwood Avenue, Cleveland, 11, Ohio, and bearing return address of Samuel Perl, 936 Tiffany St., Bronx 59 N.Y., is as follows:

(12)

"Dec. 31, 1948

Dear Will,

"Your first reactions to the keyboard are probably exactly just what Howowitz experienced when he had his first contact with the instrument. "Keyboard helplessness" is everybody's lot for the first few years. You should not get the impression that the whole business is a conspiracy against you. Playing the piano well is a problem, the solution of which may be gained if the proper forces are brought into play against it. These weapons are:

CV. P.O.
65-2730

"1) Diligence: A daily schedule of practice followed by a period of "free play." You should never sit down at the piano unless you can do what is on the docket in a musical manner. This can always be done if speed is sacrificed at first. You will never be able to play any passage fast unless you can play it slow - so practice slowly, in correct relative rhythm, and with the feeling that your mind has control of your fingers.

"2) Patience: This includes a leathery exterior which must withstand all types of criticism by friends, neighbors, landlords and especially relatives. For the first doz'n years you may very well be a sorry looking figure at the piano to those who merely pass a hasty judgement on the matter, but if what you have started is to have any meaning at all in your life, you must be able to take the hurt, the passing slights and disregard them.

"I recall seeing the name Elizabeth Sher on some poster in a N.Y. concert Hall. She studied with Miklos SchwalB not Miklos Schwald. I would be very much surprised if there really was a Miklos Schwald.

"Eleanor took her first lesson about a month ago, and according to Ann will be ready for her debut soon. However, it is furiously exciting to contemplate your respective musical progress(es). Its the old question, age & wisdom versus enthusiastic youth. Don't falter - I'm betting on you.

Sam"

* * *

A letter addressed to William Perl, 16802 Larchwood Avenue, Cleveland 11, Ohio, and bearing return address of Samuel Perl, 931 Tiffany St. Bx 59, N.Y., is as follows:

(13)

"June 19, 1949

Dear Will,

"I read your letter with a combination of amusement and dismay - amusement over your general sad shape and dismay over your musical obtuseness. It points to a faltering intelligence that you have not discovered the real reason for what you term your slow progress on the piano. What kind of progress can you

expect when you devote but 3/4 hour per day to the piano. Had you given that same time to your general and technical education you would probably rate no higher than a Tasmanian Pinhead (or its American equivalent, a F-1). At first, I suspect you carve out that 3/4 hr. in the evening after your days work, when your most vital energy is already sapped. I can't emphasize the fact too strongly that an hour's practice upon awakening from a restful nights sleep is more profitable than any amount of time spent bent over the keyboard in a torpid state. I would conclude that under your present set-up any"

* * *

A letter addressed to Mr. William Perl, 16802 Larchwood Avenue, Cleveland 11, Ohio, and bearing the return address of Taller and Cooper Inc., 75 Front Street, Brooklyn 1, N.Y.; is as follows:

(14)

"December 20, 1949

Mr. William Perl
16802 Larchwood Avenue
Cleveland 11, Ohio.

Dear Mr. Perl:

"I have your letter of December 8th offering your help to the Technion. I think it is very thoughtful and it is very much appreciated by me and all those interested in this work.

"At the present time our wind tunnel plans are still in the formative stage, but as soon as technical help is necessary I am sure that your background should be of great value.

"With kind personal regards and good wishes for the New Year, I am

Sincerely yours,

TALLER & COOPER, INC.

B. Cooper"

CV. F.O.
65-2760

The following is a letter written to "Dear Will, and dated February 8, 1950:

(15)

"February 8, 1950

Dear Will,

"I'm just writing a few words to say hello to you. Since last seeing you, I have held two jobs and am now working for the Government in Washington, D.C.

"As time goes by, I'm starting to see, more and more, many of the points you brought up when I saw you at Columbia. So far, I've been doing back work in engineering and haven't quite adjusted to it. (I have enough ego to feel I was cut out for better things.) The answer is more education and I am studying now for the Graduate Record Exam which will be given this May. If things go well, I'll start a master's degree, full time, this Fall, and try to go through a doctor's degree. The Government will still pay for two more years of schooling under the G.I. bill. I hope to take the above degrees in the electric power generation and transmission field.

"It is strange how the things you brought out about a person's work being the most important thing to build his life around, has been brought home to me in the several jobs I've had. I'd like to thank you for the talk.

"At present, I have a fairly nice three room apartment in Washington about five blocks from the Capitol. I share it with another fellow and the place can sleep four.

"If you want to come to Washington at any time in the near future, on business or pleasure, you have a standing invitation to stay at my place.

"Sam has not written in a long time so I sent a letter off to him last week and will probably hear from him in a week or two.

"I hope you are enjoying your present work in Cleveland and perhaps catching up on your cultural activities, now that your "formal" education is over.

CV. F.O.
65-2730

"With best regards.

Morris Birnbaum

411 Second Street, S.E.
Washington 3, D.C."

* * *

A letter addressed to William Perl, 16802 Larchwood Ave., Cleveland, Ohio U.S.A., and bearing return address of Samuel Perl 53 Rue Notre Dame de foretta, Paris 9, France, is as follows:

(16)

"81 Rue de Manbongo
Pairs 10
Feb. 9; 1950

"Dear Will,

"I have just returned from a piano recital and I imagine my feelings to be rather akin to yours when you attended the Physical Society meeting, namely one of "exaltation and despair." This business of playing the piano has completely overtaken me so that I'm really not fit company for anyone, save similar frenzied souls. I suppose that you must have had the same obsession (and still do) in your field in order to have roached the position you now occupy (is it P-64 by this time)! For the past four months I've been working 5 and 6 hours a day on the piano faithfully doing everything my two piano teachers have been whispering into my ear. (1 teacher just for technique, all in all 3 lessons a week on the instrument). I have scarcely been out and tonight marks some sort of turning point I feel. Its a combination of some "broken arpeggios" I've been working on, receiving your letter, and hearing this pianist (Eleanor Fine - that American kid prodigy grown up into young womanhood).

"Its all added up to give me renewed hope and direction. By the time you receive this letter I will have moved into new lodgings. Note new address above. The only basis for this move is that this new place is more suitable for work. My future

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'proprietaire' assures me that I can bang away from 8 in the morning till 10 at night. That's a 14 hour interval. Figure 5 hours for meals, ablutions, and miscellaneous and you're left with a respectable working day of 9 hours.

"I shouldn't like to give you the impression that I'm optimistic about success. There are times when I fall back exhausted after a practice session and can't sleep because a terror overtakes me. I think with dismay of past years when my energy was turned into channels that I was essentially uninterested in. Now in my 'middle age' when my vital energy is on the decline I am wrestling with the problems that really fascinate me; viz - how to make those little black notes on the printed page in a Beethoven Sonata really sound. A word about home. I got a disturbing letter from Sadie telling me that she sold my engineering books so that she could have enough money to go to Washington where she landed a job with the Govt. That's about a month ago. Haven't heard anything since! Has that girl gone completely mad? She also mentions that there is mail for me but fails to forward it.

"What a mess. It gives me an empty feeling in the stomach just to think of it. Foggy on this external world. We've got to seek happiness within ourselves.

"Its onward to more and bigger sonates, etudes - - Good-night now. Though I may not write to you often, be assured that I think of you and what you have taught me in the past.

Sam"

* * *

The following letter written by Sam and with the salutation 'Dear Will'; is being set forth.

(17)

"81 Rue de Maubeuge
Paris 10
May 2, 1950

"Dear Will,

"Though you caution me not to worry, your letter made me feel sick at heart. The same emotions of indignation, astonishment,

CV. F.O.
65-2730

"and disgust which you have experienced are now besetting me. Up until now the antics of some of our congressmen have only struck me as comical, but when they strike home, the matter takes on a more sinister appearance.

"I ran into Joel Barr at a student's restaurant where we both eat occasionally and questioned him about this development. He claims that he never was a Communist and that he doesn't know the whereabouts of Alfred Sarant.

"I don't exactly know what to say to you in the way of comfort, (maybe what you are now undergoing has been so often repeated to others that some form expression of consolation should have been stylized by now) except to say that its not too late for you to start studying music. There's room where I'm staying for another. I've been thinking of filling this void with a woman but I'm giving you first preference. How about it? I believe the saxophone would suit your personality.

"I have been re-reading your letter of April 2 which was a wonderful letter (you were really in top form); a letter full of lovely sounding phrases such as 'seeing God in terms of the languages we are learning to speak so laboriously' and others equally glorious. As a matter of fact, I took it along with me on my Easter vacation reading it from time to time.

"I took a hitch-hiking trip with a Scotch girl (a medical student) down through France and then over to Geneva.

"She is exceptionally intelligent and sympathetic person so I took the liberty of reading some of your golden words to her. She was particularly struck by the line, 'Keep in touch with the world, draw an occasional bit of sustenance from it and a check on your direction but otherwise concentrate on your individuality, that the world can draw sustenance from you later on.' She claimed that although she didn't know you she liked the person who could have spoken those words.

"My own 'progress report' is all too brief. I am working on a program, preparing several pieces to play before an examining jury at the end of June. From now on I have to start producing - so I turn my face on the world, bury myself in my task and prepare for the onslaught. If you don't hear from me in the coming months you'll know that I died in the attempt.

"Keep me informed about yourself.

SAM"

Publications By William Perl
(All classified as Restricted)

1. Katzoff, S. and Perl, W.: The End-Plate Effect of a Horizontal-Tail Surface on a Vertical Tail Surface. NACA TN 797, Feb. 1941.
2. Perl, W.: The Calculation of Span Load Distributions on Swept-Back Wings. NACA TN 834, Dec. 1941.
3. Perl, W.: Axial-Flow Fans and Cooling Power, Part VI of High-Altitude Cooling. NACA ARR L4111e, Sept. 1944.
4. Perl, W.: The Conformal Transformation of an Airfoil into a Straight Line and its Application to the Inverse Problem of Airfoil Theory. NACA ARR L4K22a, Dec. 1944.
5. Perl, W.: A Solution of the Direct and Inverse Potential Problems for Arbitrary Cascades of Airfoils. NACA ARR L4K22b, Dec. 1944.
6. Perl, W. and Green, L. J. : The Two-Dimensional Incompressible Potential Flow Over Corrugated and Distorted Infinite Surfaces. NACA ARR E5A05, Jan. 1945.
7. Perl, W. and Tucker, M.: A General Representation for Axial-Flow Fans and Turbines. NACA ARR E5E04, May 1945.
8. Perl, W. and Epstein, H. T.: Some Effects of Compressibility on the Flow Through Fans and Turbines. NACA ARR E5--3, July 1945.
9. Perl, W.: On the Minimum Pressure Attainable on an Airfoil in Mixed Subsonic-Supersonic Flow. NACA ARR (to be published)
10. Perl, W. and Mosas, H. E.: The Jet Boundary Constriction Correction for Symmetrical Airfoils in a Closed Tunnel: A Solution by Conformal Mapping. NACA ARR (to be published)

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11. Perl, W. and Moses, H. E.; The Conformal Mapping of Two-Dimensional Duct Inlets. NACA ARR (to be published)
12. Perl, W.; On the Calculation of Mixed Subsonic-Supersonic Potential Flows. NACA ARR (to be published)

CV. P. O.
65-2730

LEADS

Since all requests for investigation are being set forth by teletype no leads are being set forth in this report.

Copies of this report are being furnished to those offices who have had or logically will have investigative leads in this matter.

~~SECRET~~

CV. F. O.
65-2730

CONFIDENTIAL INFORMANTS

T-1

~~CL-901~~

T-2

~~CL-902~~

T-3

WILLIAM G. GIBBONS, Director of
Personnel, NACA, Cleveland, Ohio.

T-4

~~_____~~ informant as
set forth in the report of SA
RAYMOND J. FOX dated May 10, 1949,
at Baltimore in the case entitled
"ROBERT RESNICK; SECURITY MATTER - C". b7d

T-5

~~MC-59~~ Baltimore informant as set
forth in the above mentioned report
of SA RAYMOND J. FOX.

REFERENCE: Report of SA JOHN R. O'DONOGHUE, Cleveland,
8/7/50.

~~SECRET~~

FEDERAL BUREAU OF INVESTIGATION

This Case Originated At CLEVELAND

CV File No. 65-2730

Report Made At

Date _____

Period

Report Made By

CLEVELAND

9-27-50

8/7-9/18/50

JOHN B. O'DONOGHUE

AO

Title

Character of Case

WILLIAM PERL, aka William Mutterperl

ESPIONAGE - R

SYNOPSIS OF FACTS:

PERL resigned from NACA effective 5:00 P.M., 9/1/50. Left Cleveland for New York on 9/8/50 and apparently moved into his parents home, 936 Tiffany Street, Bronx, N.Y., on that date. Commenced divorce action at Cleveland against HENRIETTA BOYD SAVIDGE PERL, of NYC, on 8/16/50. Accompanied MICHAEL SIDOROVICH in July of 1948 at which time SIDOROVICH purchased 1941 Studebaker from ROBERT E. PFLEGER, according to PFLEGER and neighbor, who have furnished signed statements.

P -

Approved:

SAC

Do Not Write In These Spaces

65-59312-147

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2 - Detroit 8 - Cleveland (1-CV 65-2726)
2 - Knoxville (65-488)
2 - Los Angeles
2 - Newark (65-4100)
2 - New Haven
4 - New York (65-15387)
2 - Norfolk

~~SECRET~~

CV. F. O.
65-2730

DETAILS:

BACKGROUND DATA

On August 18, 1950; WILLIAM G. GIBBONS, Personnel Manager, National Advisory Committee for Aeronautics, advised the writer that WILLIAM PERL had tendered his resignation from NACA to be effective 5:00 P.M., September 1, 1950.

On September 1, 1950, Captain JAMES W. GIBBS, Chief of Plant Protection, NACA, advised PERL's affiliation with NACA had been terminated as of 5:00 P.M., September 1, 1950.

On September 6, 1950, the subject advised he was leaving Cleveland for New York permanently on September 8, 1950. The New York Division has advised PERL arrived in New York City on September 8, 1950, and apparently moved into his parent's home at 936 Tiffany Street, Bronx, New York, on that date.

SA F. JOHN M. BEATTIE reviewed Docket #617230 in the Court of Common Pleas, Cuyahoga County, Ohio, which reflects WILLIAM PERL, 666 East 103rd Street, Cleveland, Ohio, has petitioned for a divorce against HENRIETTA BOYD SAVIDGE PERL, 194 East 38th Street, New York City, alleging the defendant to be guilty of gross neglect and failing and refusing to make a home for him for a long period of time. The summons was issued on August 16, 1950.

CV. F. O.
65-2730
65-2728

PURCHASE OF 1941 STUDEBAKER BY
MICHAEL SIDOROVICH, JULY 1948

The records of the Auto Title Bureau, West Third and Lakeside, Cleveland, Ohio, reflect MICHAEL SIDOROVICH purchased a 1941 Studebaker, Motor #166705, on July 21, 1948, from one ROBERT E. PFLEGER.

During the course of an interview with ANNE SIDOROVICH on August 21, 1950, for the purpose of securing typing specimens from the SIDOROVICH typewriter, ANNE SIDOROVICH advised SAs JOHN B. O'DONOGHUE and DAVID A. WIBLE that she accompanied her husband when they bought their present automobile and recalled a third person being with them. ANNE's reply was directed to SA WIBLE but was also overheard by SA O'DONOGHUE, who was securing typing specimens. The automobile presently owned by the SIDOROVICHES bears Motor #166705, according to title records of the State of Ohio.

ROBERT E. PFLEGER, an account executive of the Meldrum-Fewsmith Advertising Agency of Cleveland, furnished the following signed statement, which is being retained in the 1A file of 65-2730:

"Parma, Ohio
August 24, 1950

"I, Robert E. Pfleger, make the following voluntary statement to John B. O'Donoghue, Jr. and Anthony S. Fernandez, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. No threats or promises have been made to me to induce me to make this statement.

"I reside at 5202 Albertly Avenue, Parma, Ohio; where I have resided for about four and one-half years.

"During the early part of July, 1948 I took a classified ad in the Cleveland Plain Dealer for the purpose of offering for sale a 1941 Studebaker Champion which I owned. The ad appeared on a Sunday as well as on one or two other days.

CV. F. O.
65-2730
65-2728

"On the Sunday when the ad appeared two men and one woman came to my home for the purpose of examining the automobile. These three persons drove up in an automobile driven by the younger and taller of the two men. My car was examined by the taller of the men and then was taken out for a ride with the taller man driving. The three persons left without any deal being closed.

"The three persons returned the same afternoon within an hour or two and the smaller of the two men whose name after having my memory refreshed I recall as Michael Sidorovich stated he wished to purchase the automobile. The price agreed upon was (\$750) seven hundred and fifty dollars. Inasmuch as I needed the car for my use for about two weeks we entered into an agreement whereby I would keep the car until a new one I had ordered was delivered to me. Sidorovich gave me a deposit at that time.

"Sometime later in July after my new car was delivered I met Sidorovich at the Automobile Registration Bureau in downtown Cleveland and closed the deal for my 1941 Studebaker.

"On August 22, 1950 I accompanied Mr. Fernandez to the National Committee for Aeronautics (Lewis Flight Propulsion Laboratory) where I saw an individual who was identified to me by Mr. Fernandez as William Perl. This person was the tall man who accompanied Michael Sidorovich and the woman he introduced me to as his wife to my home in July, 1948 to look at my 1941 Studebaker and was the person who drove my car on a test run on that day.

"I have read the foregoing statement, contained on this and one other page. To the best of my knowledge and belief it is accurate and true.

/s/ Robert E. Pfleger

Witnessed:

John B. O'Donoghue, Special Agent, FBI, Cleveland, O. 8/24/50
Anthony S. Fernandez, Special Agent, FBI, Cleveland, Ohio Aug. 24, 1950"

CV. F. O.
65-2730
65-2728

PFLEGER recalled he had placed an ad in both the "Cleveland Press" and the "Cleveland Plain Dealer", metropolitan daily newspapers, offering his automobile for sale. He recalled PERL and SIDOROVICH since he was of the impression at the time they visited him that PERL was the prospective purchaser of his automobile inasmuch as he examined the PFLEGER automobile rather closely and drove the car on a trial run. When the SIDOROVICHES and PERL returned after first leaving he recalls SIDOROVICH demanded a written contract and that ANNE SIDOROVICH wrote out this contract. No copy was furnished to PFLEGER.

It was recalled by PFLEGER, when he visited the National Advisory Committee for Aeronautics to view PERL in person, that PERL had intimated he was an aircraft mechanic or some such affiliated occupation.

On August 28, 1950, PFLEGER observed MICHAEL SIDOROVICH as he entered 8706 Carnegie Avenue; Cleveland, and identified SIDOROVICH as the purchaser of his 1941 Studebaker.

Mrs. ROBERT E. PFLEGER has advised she recalled three persons arriving at her home during July, 1948 to examine her husband's 1941 Studebaker. She recalled that she remained in the rear of her home throughout the negotiations but did observe two men and one woman. She recalled that one of the men and the woman entered her home with her husband through the rear door at which time she understood they executed a contract and made the final negotiations for the sale of the automobile.

On August 28, 1950, Mrs. PFLEGER observed MICHAEL SIDOROVICH and identified him as one of the two men and the woman who entered her home with her husband at the time of the sale of her husband's automobile. She was unable to identify WILLIAM PERL.

Mr. E. A. KESTNER, Mrs. PFLEGER's father, advised he was visiting the PFLEGERS on the day R. E. PFLEGER sold his automobile. It is his recollection that the purchaser was accompanied by another man and a woman, whom he did not feel he would be able to identify. KESTNER was unable to identify any photographs of SIDOROVICH and/or PERL.

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Mrs. E. A. KESTNER, KESTNER's wife, was unable to identify any of the persons and stated she did not recall the event surrounding the sale.

Mrs. MARIE APEL, 5114 Albertly Avenue, Parma, Ohio, a next door neighbor of the PFLEGGERS, advised she recollects Mr. PFLEGER selling his automobile and recalls observing two men who drove up in an old car on the day of the sale. She remembered the incident because she asked her husband what was going on at the PFLEGER home and he advised her PFLEGER had placed an ad in a newspaper in an effort to sell his automobile. Mrs. APEL was unable to identify photographs but chose a photograph of DAVID GREENGLASS as resembling the shorter of the two men. She did not see the woman but stated she only took a momentary glance at the two men and stated a woman may have been seated in the automobile that drove up.

EDWARD J. APEL advised he did not recall the incident and did not recall anything about the prospective buyers of the automobile.

Mrs. MARIE BEIER, 5206 Albertly Avenue, Parma, Ohio, advised she distinctly recalls seeing two men and a woman inspect the PFLEGER automobile on a Sunday during July, 1948. She recalls it was a Sunday since her husband was engaged in his hobby of umpiring local baseball games. Mrs. BEIER furnished the following signed statement, which is being retained in the LA serial of 65-2730:

"Cleveland, Ohio
September 6, 1950

"I, Marie Beier, make the following voluntary statement to Anthony S. Fernandez and John B. O'Donoghue, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. No threats or promises have been made to induce me to make this statement.

"I reside at 5206 Albertly Ave., Parma, Ohio, which is immediately adjacent to the residence of Robert L. Pflieger. I recall that during July of 1948, Mr. Pflieger offered his Studebaker coupe for sale through an ad in a local newspaper. On a Sunday during July of 1948 at which time the ad was running I recall Mrs. Pflieger's parents were visiting

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"the Pflegers and I was seated in the driveway of my home watching my daughter who was bicycling on the front sidewalk. Sometime during the afternoon of this Sunday I observed an old auto park in front of the Pfleger home. I later saw two men with Mr. Pfleger, one short and one tall. At a later moment I observed the short man enter the Pfleger back door accompanied by Mr. Pfleger and a dark haired, thin woman.

"I may have walked to the front of the house during the time these people were present and I recall that at the time I felt the taller man was the prospective purchaser since the short man remained more or less in the background.

"Immediately after these people left Mr. Pfleger returned to his backyard and announced he had sold the car.

"On this date I observed a man passing through the reception room of the Cleveland Office of the Federal Bureau of Investigation who is the tall man referred to in this statement. I have been told by SA John B. O'Donoghue this man is William Perl.

"I have read the foregoing statement and find it to be true.

/s/ Mrs. Marie Beier

John B. O'Donoghue, Special Agent, FBI 9/6/50
Anthony S. Fernandez, Special Agent, FBI, 9/6/50"

The following signed statement was furnished by MARIE C. APEL and is being retained in the exhibit envelope of 65-2728:

"September 19, 1950
Parma, Ohio

"I, Marie C. Apel, do hereby make this voluntary statement to James W. Anderton, who has identified himself to me as a Special Agent of the Federal Bureau of Investigation. No threats or promises have been made me to give this statement. I reside at 5114 Albertly Ave, Parma, Ohio.

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"On a Sunday afternoon in July 1948 exact date unknown I happened to see a car drive up in front of Robert R. Pflieger's home, my next door neighbor; I asked my husband if the Pflieger's were having a picnic and he told me that Mr. Pflieger was attempting to sell his automobile and had advertised in the papers. A few minutes later I noticed two men standing on my front lawn looking at Mr. Pflieger's Studebaker coupe. One of the men was tall and dark haired and the other was shorter and more of light brown colored hair. A short while later I noticed the taller man in the car apparently examining the dashboard. The shorter man was standing on the right side of the car, with the door ajar, watching the taller man. Mr. Pflieger was standing at the left front fender.

"I didn't pay any further attention to the individuals in Mr. Pflieger's yard. I know that the above two men came to see Mr. Pflieger in an automobile.

"I have read the above statement consisting of two pages and to the best of my knowledge it is true.

/s/ Marie C. Apel

Witnessed:

SA James W. Anderton 9-19-50 Parma, Ohio

"I certify that the above statement was voluntarily given me at Parma, Ohio on 9-19-50 by Marie C. Apel.

Special Agent James W. Anderton "

The following signed statement was furnished by EDWARD A. KESTNER and is being retained in the exhibit envelope of 65-2728:

"Cleveland, Ohio
September 19, 1950

"I, Edward A. Kestner, do hereby make this statement freely and voluntarily to James W. Anderton, who has identified himself

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"to me as a Special Agent of the Federal Bureau of Investigation. No threats or promises were made to me and I understand that I do not have to make a statement.

"I reside at 4540 South Hills Drive, and my daughter is married to Mr. Robert R. Pflieger.

"On a Sunday afternoon, either in the later part of July or first of August 1943, my wife and I about 2:30 P.M. drove in my son-in-law's driveway and upon driving to the rear of the house noticed my son-in-law, Robert R. Pflieger talking with two men and a woman. These men were purchasing my son-in-law's Studebaker Club Coupe. One of these men was quite a bit taller, about 3 inches taller, than the other one. I can not remember exactly the description of the woman. As I got out of my car the shorter man asked me if my car was for sale and I answered 'No, you can't buy this car'. My wife had by this time entered the yard and I then entered the yard. About ten minutes later my son-in-law came in and announced that the man had bought his automobile and had given him a down payment.

"On September 19, 1950 Special Agent Anderton exhibited several photographs to me and from the photographs shown, the ones of Michael Sidorovich and William Perl closely resembled the individuals in question.

"I have read the above statement consisting of two pages and find it to be correct to the best of my knowledge.

/s/ Edward A. Kestner

Witnessed:

Special Agent James W. Anderton

"I certify that the above statement was rendered voluntarily to me by Mr. E. A. Kestner on September 19, 1950.

S.A. James W. Anderton "

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ROBERT E. PFLEGER and MARIE BEIER, when first interviewed, immediately selected a photograph of MICHAEL SIDOROVICH from a group of photographs as the purchaser of the PFLEGER auto. PFLEGER stated that the photograph of PERL bore a resemblance to the man accompanying SIDOROVICH at that time but was unable to definitely identify it, stating SIDOROVICH's companion was thinner. Mrs. BEIER selected PERL's photograph from a group of photographs and stated she felt the person represented was SIDOROVICH's companion. As is reflected in their signed statements, set forth previously in this report, both identified PERL when they saw him in person.

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PURCHASE OF 1941 STUDEBAKER BY
WILLIAM PERL, SEPTEMBER 1948

The records of the Auto Title Bureau, West Third and Lakeside, Cleveland, Ohio, reflect WILLIAM PERL purchased a 1941 Studebaker four door sedan, Motor #199802, from EDWARD K. RHODES, Trumbull Court, Newton Falls, Ohio, on September 13, 1948.

SA F. JOHN M. BEATTIE interviewed EDWARD K. RHODES, who now resides at 1399 East 110th Street, Cleveland, Ohio, on August 24, 1950.

RHODES advised PERL was accompanied by another individual at the time he inspected RHODES' automobile, who was not introduced to RHODES. He recalled this since he introduced PERL to his wife, EVELYN, but since he did not have the name of the other individual he was unable to introduce him to his wife. RHODES identified a photograph of WILLIAM PERL as the individual who purchased his automobile but was unable to identify a photograph of MICHAEL SIDOROVICH as the person who accompanied PERL.

RHODES recalled PERL stated he was employed by the Pearl Linoleum Company of Cleveland and that when RHODES volunteered to leave a car jack at this company for PERL at a later date, PERL immediately advised he would personally pick it up. He recalled that PERL bought his automobile the same evening he came to inspect it and paid a purchase price of \$970.00 in cash. After PERL had left with the automobile and within an hour PERL called RHODES and told him that the automobile had broken down. RHODES went to the place of the breakdown and, to the best of his recollection, believes this was between Euclid and Carnegie Avenues on East 105th Street. PERL's companion was no longer in the car when RHODES arrived. It is noted that MICHAEL SIDOROVICH resides at 8706 Carnegie Avenue, which is approximately a five to ten minute walk from East 105th Street. RHODES also recalled PERL stating he considered the Studebaker to be a good car since he had previously owned one.

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On August 25, 1950, RHODES observed MICHAEL SIDOROVICH in person but could not effect an identification although he stated he was certain he had seen SIDOROVICH some place before but could not state he was the individual accompanying PERL at the time PERL purchased his automobile although this could be possible. RHODES' wife, EVELYN, also viewed SIDOROVICH but was unable to identify him.

Mrs. LOTTIE E. WYLER, the owner of the home at 1257 Brockley Avenue, Lakewood, Ohio, where PERL roomed from August to approximately Christmas, 1948, was interviewed by SA DAVID A. WIBLE on August 26, 1950. Mrs. WYLER advised that PERL may have come to her home to live as early as a week after July 4, 1948, and she recalled that for a considerable length of time after his arrival he drove an old coupe, the make of which she did not know but which possibly could have been a Plymouth. This auto had a faded appearance and might have been a faded blue although she was not certain of this fact. She definitely recalled that PERL took this car back to New York possibly around Labor Day of 1948 and upon his return purchased a pre-war four door Studebaker. She recalled he saw an ad in a local newspaper which she believes is the auto he ultimately purchased.

On September 12, 1950, RHODES was introduced to MILTON KLEIN, fellow employee of PERL at NACA, and RHODES, after conversing with KLEIN, stated he was convinced KLEIN was the person who accompanied PERL at the time PERL bought RHODES' auto. He advised KLEIN recalled incidents which he, RHODES, had forgotten but now remembered.

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MILTON KLEIN was interviewed on September 12, 1950, by SAs JOHN P. O'DONOGHUE and DAVID A. WIBLE. KLEIN advised that he had been employed by NACA since 1942 and has known WILLIAM PERL since they attended DeWitt Clinton High School, New York City, together in the early thirties. KLEIN denied any knowledge of espionage activity on the part of PERL or himself and stated he had never been affiliated with the Communist Party or any similar organization. KLEIN identified photographs of MAX ELITCHER, MORTON SOBELL, STANLEY RICH, WILLIAM DANZIGER, and JOEL BARR, all of whom were classmates of both he and WILLIAM PERL at the College of the City of New York. KLEIN stated that all studied electrical engineering and since he majored in chemical engineering he was not as well acquainted with them as WILLIAM PERL. He further advised that his association with these people was very slight and he did not believe PERL to be particularly close to any of them. However, he believed DANZIGER was best known to he and PERL since DANZIGER resided in the same neighborhood in the Bronx.

KLEIN furnished the following signed statements concerning the purchase of a 1941 Studebaker by WILLIAM PERL from EDWARD K. RHODES during September of 1948, which statements are being retained in the exhibit envelop of 65-2730:

"September 12, 1950
Cleveland, Ohio

"I, Milton Klein, do make the following voluntary statement to John B. O'Donoghue and David A. Wible, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. I have been advised I need make no statement, that I have the right to the advice of counsel and that any statement I make may be used against me.

"I recall that during the early fall of 1948, William Perl, an associate at the National Advisory Committee for Aeronautics and who I had known since my youth, mentioned he was in the market for a used automobile. On one occasion I accompanied him when he went to inspect a Studebaker (Nineteen forty-one model) at an east side Cleveland address. After inspecting this automobile I recall Perl purchased it and we drove

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"off in the Studebaker together. Approximately ten or fifteen minutes after, the Studebaker broke down. Perl attempted to fix the Studebaker but was unable to do so. He then called the person from whom he purchased the Studebaker and shortly after that individual came to the place where the auto had broken down and offered assistance.

"Last night I accompanied Special Agents F. John M. Beattie and David A. Wible to a home on East 110th St., Cleveland and observed a man who is the person who sold Perl the Studebaker. He was introduced to me as Edward Rhodes and I then recalled this to be the name of the seller of the aforementioned Studebaker.

"I have read the foregoing statement, consisting of this and one other page, and to the best of my recollection, is true and accurate.

/s/ Milton M. Klein

John B. O'Donoghue, Special Agent, FBI, Cleveland, O., 9/12/50
David A. Wible, Special Agent, FBI, Cleveland, O, 9/12/50"

* * * * *

"September 12, 1950
Cleveland, Ohio

"I, Milton Klein, do make the following voluntary statement to John B. O'Donoghue and David A. Wible, who have identified themselves to me as Special Agents of the Federal Bureau of Investigation. I have been advised I need make no statement, that I have the right to the advise of counsel and that any statement I make may be used against me.

"I do not know Michael Sidorovich nor am I able to recognize a photo of him, as furnished to me by Special Agent O'Donoghue. I do not recognize the name Robert E. Pfleger and I have never entered into any dealings, social or business with either Sidorovich or Pfleger. I never, to my recollection, looked at or sought to buy, either myself

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"or in the company of anyone else, an automobile in Parma, Ohio.

"I have read the foregoing statement, and to the best of my recollection, it is true and accurate.

/s/ Milton M. Klein

John B. O'Donoghue, Special Agent, FBI
David A. Wible, Special Agent, F.B.I. "

Mrs. RICHARD J. JENKINS, 666 East 103rd Street, Cleveland, advised SA VINCENT R. NAPOLI that she controls the premises at this address and rented an upstairs apartment to one SIDNEY M. HARMON, an employee of NACA, who in turn sublet the apartment to WILLIAM PERL. During this period, the Summer of 1950, HARMON was studying at the University of Michigan, Ann Arbor, Michigan. Mrs. JENKINS knew of no unusual activities on the part of PERL, but identified a photograph of MICHAEL SIDOROVICH as a man who came to her home and asked for PERL sometime during the middle of July. She recalled that this person wore a straw hat, glasses, and a light brown suit. After directing him to PERL's apartment she did not see him again.

On August 16, 1950, SA WIBLE accompanied Mrs. JENKINS to the neighborhood of 8706 Carnegie Avenue, where Mrs. JENKINS viewed MICHAEL SIDOROVICH from a vantage point as he returned home from work at approximately 6:30 P.M. Mrs. JENKINS stated that she was able to get a very good look at SIDOROVICH and she felt he looked enough like the individual who had inquired for PERL to be that person's twin brother. However, she stated she would not be able to testify under oath that SIDOROVICH was identical with the unknown called since she was not certain.

Physical surveillance to date has failed to reflect SIDOROVICH has ever worn clothes such as described above and has never been seen to wear a suit coat.

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ROBERT RESNICK

During the course of previous interviews PERL has advised he was acquainted with ROBERT RESNICK during the period of RESNICK's employment at NACA.

WILLIAM G. GIBBONS, Director of Personnel, Lewis Flight Propulsion Laboratory, NACA, has advised PERL was closely associated with [REDACTED] and was [REDACTED]'s immediate superior until [REDACTED] resigned in June, 1946. b7c

Personnel records of NACA reflect [REDACTED] was employed by that organization from April 8, 1944, through June 24, 1946, at which time he resigned.

Confidential Informant T-1, of known reliability, advised on September 25, 1944, that ROBERT RESNICK was a member of the Ward 19 Club of the Communist Political Association, Cleveland, Ohio. T-1 and T-2, of known reliability, have advised that throughout the remainder of 1944 and through March, 1945, RESNICK was known to them to attend CPA meetings.

Confidential Informant T-3, of known reliability, advised [REDACTED] was investigated under the Hatch Act and "cleared" by [REDACTED] Lewis Flight Propulsion Laboratory, NACA, in March, 1946. b7c

[REDACTED]

b7d

Confidential Informant T-5, of known reliability, advised on May 18, 1947, that ROBERT RESNICK had told JEANETTE BRAVERMAN, Secretary of the Civic Club, White Collar Section, that he would soon be b7d

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finished with exams at school and would thereafter be able to take a more active part in the section's affairs. The informant advised that on May 10, 1947, RESNICK had requested MAURICE BRAVERMAN to take over the mailing list since he would be busy with exams for two weeks. On April 29, 1947, the informant advised that persons endeavoring to locate the place where a meeting would be held on that date, were instructed to call BOB RESNICK at Forest 5482, Baltimore, and he would furnish them the required information. b7d

T-5 also stated that on September 24, 1947, MAURICE BRAVERMAN and BOB RESNICK were attempting to get new members to attend the CP meeting on September 25, 1947.

It is noted that at the time RESNICK resigned from NACA he accepted a position as instructor at Johns Hopkins University at Baltimore, Maryland. In August, 1949, RESNICK accepted a position as Associate Professor in the Physics Department at the University of Pittsburgh. There has been no indication of Communist activity on the part of RESNICK since his arrival in Pittsburgh.

HERMAN T. EPSTEIN

WILLIAM PERL has advised he was closely associated with EPSTEIN during the period both were employed at NACA, Cleveland, Ohio, from January, 1944, until the Fall of 1946.

On September 11, 1950, HERMAN T. EPSTEIN, Associate Professor of Physics, University of Pittsburgh, was interviewed concerning his connections with PERL. EPSTEIN advised that he first met PERL in January, 1944, when he, EPSTEIN, accepted a position at NACA, Cleveland, Ohio. EPSTEIN stated that he was employed in the Theoretical Section, Wind Tunnel Division, and that PERL was his immediate supervisor. EPSTEIN informed that he worked with PERL for approximately three years until the fall of 1946, when he, EPSTEIN, resigned his position and went to the University of Michigan to study for his doctor's degree. EPSTEIN advised that he and PERL have kept in correspondence and personal contact since that time and that he, EPSTEIN, considers himself to be one of PERL's closest friends.

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In connection with this statement, EPSTEIN advised that PERL had very few outside contacts, kept very much to himself and was very conscientious in his work. EPSTEIN recalled being in personal contact with PERL in June, 1950, when EPSTEIN attended a five-day conference on biophysics at Oberlin University. He also recalled seeing subject in Cleveland during May, 1950. EPSTEIN stated that he had also been in contact with PERL on other occasions which he could not specifically recall at this time. By way of explanation, EPSTEIN stated that during the past 1½ years he, PERL, and one, Dr. WILLIAM JORDAN, presently at the University of Washington, Seattle, Washington, have been working together on a problem in biophysics, and that consequently, whenever possible, they have managed to get together to discuss the problem.

It is noted that EPSTEIN stated that he only met JORDAN on one occasion in Cleveland; that JORDAN was an acquaintance of the subject, and that he believed JORDAN is a medical doctor.

At the beginning of the interview EPSTEIN stated that in June, 1950, the subject told him that he was considering accepting a position at Columbia University in New York City, and that he also had under consideration several other jobs including a Government position of some type. EPSTEIN further stated that the subject had also indicated a contemplated trip to Seattle in order to work with JORDAN. EPSTEIN stated that he has not as yet heard from PERL concerning his, PERL's, present activities but that he expects a letter from him in the very near future. EPSTEIN expressed the opinion during the interview that the present inquiry of the FBI had to do with a position which PERL is seeking and nothing was done to change EPSTEIN's opinion.

On September 12, 1950, subsequent to the interview of EPSTEIN, one CLEM RICKETTS, Internal Revenue Agent, Office of Internal Revenue, 601 Sheraton Hotel, Pittsburgh, personally appeared at the Pittsburgh Office and advised SA EDWARD H. WACHNOLZ that he, RICKETTS, resides on the third floor of a residence at 210 South St. Clair Street. RICKETTS advised that HERMAN T. EPSTEIN, a biophysicist at the University of Pittsburgh, resides on the second floor of this residence. RICKETTS stated that he and his wife have noticed that EPSTEIN has been receiving Communist literature, including the "Daily Worker". RICKETTS further

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informed that in the past Mrs. RICKETTS has observed people coming in and out of the EPSTEIN apartment, and that she recalls at one time that EPSTEIN, in company with visitors, was operating either a recording machine or some sort of a shortwave radio set. RICKETTS also informed that the occupants of a next-door apartment, DONALD and ELEANOR MAIETTA, had until recently been fairly close friends of the EPSTEINS. RICKETTS stated that at the present time they did not seem to be particularly friendly and that during the evening of September 11, 1950, MAIETTA made the statement to RICKETTS that EPSTEIN is a "big left-winger in the Pittsburgh district."

b7d

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LABORATORY REPORTS

WILLIAM PERL has advised that when he was contacted by VIVIAN GLASSMAN on July 23, 1950, she wrote out her message to him on a pad of ruled paper. On July 26, 1950, PERL furnished the remains of that pad consisting of four sheets of ruled paper and one sheet of ruled paper containing handprinting and handwriting in pencil consisting of a note to his maid, MATTIE BROOKS. The Laboratory by report dated August 1, 1950; advised that no indented messages could be found on these specimens.

The FBI Laboratory by report dated August 17, 1950, advised that the following money order applications, all bearing the name of the signer as W. PERL, were executed by WILLIAM PERL:

#162213 dated January 20, 1947

#57474 dated July 25, 1947

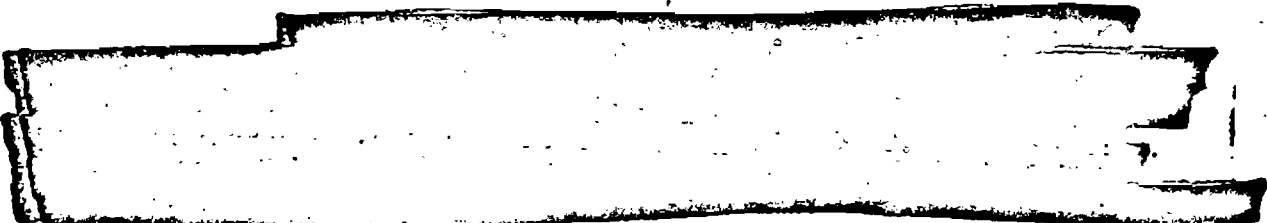
#195061 dated September 23, 1947

#199603 dated October 28, 1947

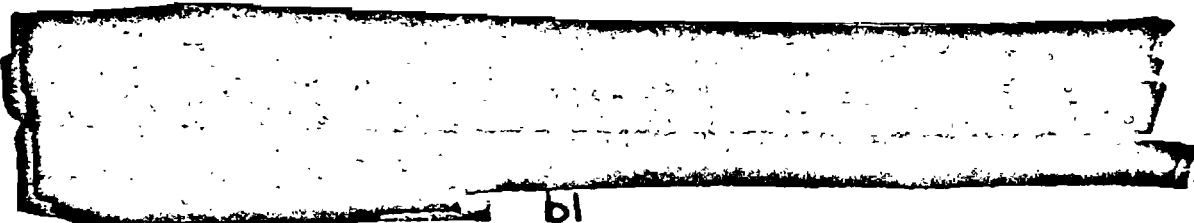
#211814 dated January 22, 1948

#913574 dated November 24, 1948

By report dated August 31, 1950, the FBI Laboratory advised that money orders #50990 dated August 30, 1948, #52296 dated September 23, 1948, and #54227 dated October 22, 1948, were executed by WILLIAM PERL. All of the above money orders were made payable to A. SARANT, Ithaca, New York.



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The Laboratory by report dated September 5, 1950, advised that the typewriting on the letter dated August 9, 1950, directed to Mr. N. WALTER at Mexico D.F., was compared with various typing specimens secured from PERL's apartment during an authorized search.

By report dated September 6, 1950, the Laboratory advised that a photograph of three sets of typewritten statement by WILLIAM PERL dated July 28, 1950, was compared with the letter directed to Mr. N. WALTER, Mexico D.F., referred to above, without effecting an identification.

- P E N D I N G -

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ADMINISTRATIVE PAGE

Confidential Informant T-1, of known reliability, advised that subject has been in contact with the following persons and/or organizations:

Walter J. Johnson, Inc.
125 East 23rd Street
New York 10, New York

U. S. Department of Agriculture
Washington 25, D. C.

Melard Manufacturing Company
37-25 32nd Street
Long Island City 1, New York

Planters Nut and Chocolate Company
632 South Main Street
Wilkes-Barre, Pennsylvania

H. R. March
University of Washington
Seattle 5, Washington

Sidney M. Harmon
Box 226, Greene House
Ann Arbor, Michigan

Institute of Electrical Engineers
Savoy Place, Victors Embankment
London W.C. 2

Sadie Mutterperl
936 Tiffany Street
Bronx, New York

It is noted SADIE MUTTERPERL addressed her letters to the subject as late as August 7, 1950, to 16802 Larchwood Avenue, Cleveland, although he had been residing at 666 East 103rd Street, Cleveland, since the latter part of June.

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PERSONNEL RECORDS - NACA

The following material was copied from documents
contained in PERL's personnel file at NACA.

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JBO:DG

"10/16/39."

"Memo. for Administrative Officer

"Subject: Transfer to Physical Research Division.

"For approximately six months I have been assigned to the Maintenance Section. While I have no complaint to make concerning my treatment in the Maintenance Section, I do not feel that I am of as much value to the Committee in this section as I could be elsewhere for the following reasons:

"a) The duties I am assigned to at present, being necessarily of a practical nature, do not interest me as much as I believe research work would.

"b) My interests are in the direction of mathematics and physics.

"In view of the foregoing I beg you consider transferring me to the Physical Research Division."

"Respectfully Submitted,

/s/ "WILLIAM MUTTERPERL"

"App WHC
10/16/39"

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JBO:DG

"MAR 29 1941"

"Sir:

"Pursuant to action of the Committee on Personnel, Buildings, and Equipment, you are hereby rerated from Junior Electrical Engineer, Grade F-1, with pay at the rate of \$2200 per annum, and appointed Assistant Electrical Engineer, Grade P-2, with pay at the rate of \$2600 per annum, effective April 1, 1941.

"Respectfully,

"NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS,

"J. F. Victory
Secretary.

"Mr. William Mutterperl,
Langley Memorial Aeronautical Laboratory,
Langley Field, Hampton, Virginia.

(Through official channels.)

DAH
COPY TO LMAL
CERTIFICATE NO. P-11471, SR:HH, 3-19-41"

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JBO:DG

"Langley Field, Va.
April 8, 1943

"MEMORANDUM For Chief Aerodynamics Division.

"Subject: Recommendation for the promotion of
Mr. WILLIAM MUTTERPERL.

"1. It is recommended that Mr. WILLIAM MUTTERPERL be promoted from his present pay status of Associate Electrical Engineer (P-3) at \$3200 per annum to Aeronautical Engineer (P-4) at \$3800 per annum.

"2. Mr. MUTTERPERL has demonstrated exceptional ability in theoretical research and in his ability to grasp, understand, and develop difficult and abstruse problems. His recent work on the theory and design of axial-flow fans represents an outstanding bit of research and is a substantial contribution in this field. His theoretical studies of sweepback, airfoils in cascade, and development of new methods for the calculation of pressure distribution on airfoils are examples of the type of analytical studies which he is capable of handling. Mr. MUTTERPERL has a brilliant mind and has shown a continuous improvement during the several years he has been at the full-scale tunnel. I firmly believe that he will make even more substantial contributions in the field of aerodynamics and feel that he should be encouraged in every way possible."

"/s/ ABE SILVERSTEIN

Abe Silverstein,
Principal Aeronautical Engineer.

AS.flw

EWM 4/14"

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JBO:IG

"C122-1 (MUTTERPERL, WILLIAM)

"Memorandum to Mr. H. J. E. REID.

"Subject: Absence from the Laboratory on May 31 and June 1, 1943"

"I was away from the field on May 31, and June 1. Because the necessity for my departure became apparent very shortly before I left, and because I did not realize that Monday was a holiday, formal permission to leave was not requested. It is believed that no great delay in my work occurred because of my absence."

/s/ "WILLIAM MUTTERPERL"

"O.K. H.O.W. - June 5, 1943.

"Rec. Approval

EHJ for EUM

Approved:

MDH 6/10/43"

CV. F. O.
65-2730
JBO:DG

"Langley Field, Va.,
November 18, 1943.

"Mr. Abe Silverstein,
National Advisory Committee for Aeronautics,
Cleveland, Ohio.

"Dear Abe:

"In regard to MUTTERPERL'S transfer, I talked the matter over with MUTTERPERL and DEARBORN and it looks as though it will be possible to transfer him to Cleveland about December 1 as we previously agreed. MUTTERPERL is getting his affairs arranged with this in view.

"As regards MUTTERPERL'S papers, the situation has not changed appreciably as yet. As we agreed, I have JONES and von DOENHOFF looking these papers over with a view to commenting particularly on their usefulness and I have hopes that we will be able, with perhaps certain revisions in the presentation, to get them published. I don't think that we can clean them up before the first of December, and after talking to MUTTERPERL and DEARBORN I believe that with KATZOFF'S assistance we can handle the situation at least until actual revision is required, at which time of course we could send KATZOFF'S suggestions to MUTTERPERL for final changes. With the date so uncertain as regards the final disposition of these papers, I think it best that MUTTERPERL go to Cleveland about December 1.

"I will take steps here to clear MUTTERPERL for this transfer but I suggest that you, as a matter of record at least, start through a request from Cleveland for his transfer there.

"We are having a lot of grief with the fan on the PBM-3 and I may want to get you down for a couple of days to help us thrash the solution out. So keep your work organized so you can get away for a couple of days on short notice."

"Yours very truly,

/s/ "J. W. CROWLEY

John W. Crowley, Jr."

CV. F. O.
65-2730
JBO:DG

"Cleveland, Ohio
November 20, 1943.

"Mr. SESSIONS -

"MEMORANDUM: Mr. KEMPER,
Executive Engineer. C.K.

"It is requested that necessary paper work be initiated for an official transfer of Mr. WILLIAM MUTTERPERL from the L.M.A.L. to the A.E.R.L. on or about December 1, 1943. This date has been checked with Mr. CROWLEY of L.M.A.L., and is satisfactory as indicated on the attached letter."

/s/ "ABE"

"Abe Silverstein,
Chief of Engine Installations Division."

"RCS 11/23

"Gov't expense"

CV. F. O.
65-2730
JBO:DG

"Cleveland, Ohio,
November 25, 1943."

"From AERL
"To LMAL

"Subject: Transfer of Mr. MUTTERPERL to AERL.

"1. It is understood that tentative unofficial preparations have been made between Mr. CROWLEY of LMAL and Mr. ABE SILVERSTEIN of AERL for the transfer of Mr. MUTTERPERL from LMAL to AERL, effective on or about December 1, 1943. It is assumed that it is entirely agreeable to your laboratory to have this transfer consummated. Inasmuch as the transfer will be in the interest of the Government, it is our intention to recommend that the transfer be made at Government expense and we will therefore need the following information regarding Mr. MUTTERPERL.

- "(a) Grade and salary
- "(b) Mode of transportation desired
- "(c) Whether or not household goods or personal effects are to be shipped
- "(d) Whether or not Mr. MUTTERPERL has dependents living with him.

"2. Your prompt attention in reply to this letter will be appreciated as the proposed transfer date of December 1 is fast approaching."

/s/ "EDWARD R. SHARP

Edward R. Sharp,
Manager."

"ECB:mhh

"Copy to Washington Office

"RETURN TO AERL
PERSONNEL FILES"

"Nov. 25 1943"

CV. F. O.
65-2730
JBO:DG

"FILE COPY - PERSONNEL OFFICE

TAC-150

December 4, 1943

"Sir:

"Pursuant to authorization of the Chairman, you are hereby transferred from Aeronautical Engineer P-4, with pay at the rate of \$3800 per annum, Langley Memorial Aeronautical Laboratory, Langley Field, Hampton, Virginia, and appointed Aeronautical Engineer, at the same grade and pay, Aircraft Engine Research Laboratory, Grayton and Brookpark Roads, Cleveland, Ohio, effective from the date of your entrance on duty.

"This transfer is required in the interest of the Government and is not for your convenience.

"You are hereby authorized to proceed to Cleveland, Ohio, at the earliest possible date, via privately-owned automobile, and for necessary direct automobile travel you will be allowed 4 cents per mile. It has been determined that travel by automobile is more economical and advantageous to the Government.

"While traveling under this authority you will be allowed traveling expenses in accordance with the Standardized Government Travel Regulations, including \$6.00 per diem in lieu of subsistence. The excess time required for travel by automobile over that required for travel by train will be charged to your leave account and subsistence will not be allowed for such time.

"You are authorized to have your household and personal effects shipped at Government expense in accordance with the provisions of the attached Executive Order No. 8588 of November 7, 1940, as amended, applicable to persons having no dependents living with them. Shipment shall begin within the six-month period following the effective date of this transfer, unless an extension is requested and approved within that period. The provisions of the Executive Order will be strictly observed."

"Respectfully,

"Mr. WILLIAM MUTTERPERL
Aeronautical Engineer P-4
Langley Memorial Aeronautical
Laboratory
Langley Field, Virginia

NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

E. H. CHAMBERLIN

(Through official channels.)
Enclosure
MEK

Acting Secretary"

CV. F. O.
65-2730
JBO:DG

"W WUQ25 ML NEWYORK NY JUN 11 85733
E
S ABE SILVERSTEIN, NACA AIRCRAFT ENGINE RESEARCH LABORATORY
T
E CLEVELAND AIRPORT
R
N STAYING OUT ABOUT A WEEK EMERGENCY WIRE CARE

U WESTERN UNION GRAND CENTRAL IF NEEDED
N
I W MUTTERPERL
O
N 859A June 12..

T
E RQ17-25JRTU
L
E
G COPY FOR
R
A Leave Office
M

CV. F. O.
65-2730
JBO:DG

(PERL)
"201 MUTTERPERL, WM

"Cleveland, Ohio,
November 9, 1944.

"MEMORANDUM For Manager.

"Subject: Overdrawn leave.

"1. I have taken a total of 28 days leave this year.
My leave is therefore 8 days in excess of the maximum time
granted.

"2. The overdrawal of leave was made necessary by my
marriage and the ensuing difficulty of locating a suitable place
to live.

"3. It is requested that the excess leave be granted
as annual leave."

/s/ "WILLIAM MUTTERPERL

William Mutterperl,
Aeronautical Engineer."

"WM:hmg
AS

"Approved:
ABE/eal

"A. C. BRAIG
For the Manager"

"RETURN TO AERL
PERSONNEL FILES"

CV. F. O.
65-2730
JBO:DG

"PERL, WILLIAM

NACA-Cleveland

"Cleveland, Ohio,
February 23, 1945

"MEMORANDUM For the Manager.

"Subject: Recommendation for promotion of Mr. WILLIAM PERL,
Analytical Section, Engine Installation Research
Division.

"1. It is recommended that Mr. WILLIAM PERL be promoted from Aeronautical Engineer, grade P-4, at the rate of \$3800 per annum, to Aeronautical Engineer, grade P-5, at the rate of \$4600 per annum.

"2. Mr. PERL entered duty with the Committee on April 8, 1939, as a Junior Electrical Engineer, grade P-1, at the Langley Field Laboratory. While at Langley Field he was attached to the Analytical group of the Full-Scale Wind Tunnel, under my supervision. On December 23, 1943, he was transferred to the Cleveland laboratory to take charge of the Analytical Section of the Engine Installation Research Division.

"3. Mr. PERL'S work has been outstanding during the entire period of his employment. His knowledge and skill in the field of theoretical and applied aerodynamics rank him as one of the leading men in the field, and he has written papers which may prove to be classics in the field of potential flow. His publications include the following:

"(a) 'Calculation of Span Load Distributions on Swept Back Wings,' December, 1941 - T.N. 834, by WILLIAM MUTTERPERL (since abbreviated to WILLIAM PERL).

"(b) 'The Conformal Transformation of an Airfoil into a Single Straight Line, and its Application to the Inverse Problem of Airfoil Theory,' December, 1944 - ARR No. L4K22a, by WILLIAM MUTTERPERL.

CV. F. O.
65-2730
JBO:DG

- "(c) 'High Altitude Cooling - Part VI - Axial-Flow Fans and Cooling Power,' September, 1944 - ARR No. 14111, by WILLIAM MUTTERPERL.
- "(d) 'A Solution of the Direct and Inverse Potential Problems for Arbitrary Cascades of Airfoils,' December, 1944 - ARR 14K22b, by WILLIAM MUTTERPERL.
- "(e) 'The End-Plate Effect of a Horizontal Tail Surface on a Vertical-Tail Surface,' February, 1941 - T.N. 797, by WILLIAM MUTTERPERL and Mr. KATZOFF.
- "(f) 'A Two-Dimensional Incompressible Potential Flow of Corrugated and Distorted Infinite Surfaces,' January, 1945 - ARR E5A05, by WILLIAM PERL and L. J. GREEN.
- "(g) 'Some Effects of Compressibility of the Flow through Fans and Turbines,' December, 1944, by WILLIAM PERL and H. EPSTEIN.
- "(h) 'A General Representation for Axial Flow Fans and Turbines,' January, 1945, by Mr. PERL and Mr. TUCKER.

"4. Mr. PERL is at present in charge of about 12 men; who are engaged in theoretical and applied research relating to problems of jet propulsion, missile design, and supersonic wind tunnel design. He has shown ability in developing the men who are working for him, so that they produce a high quality of research. His group is at present working on the difficult problems relating to the determination of theoretical pressure distributions on airfoils in cascades, and are obtaining excellent results. He has also developed a method of applying the relaxation method to the calculation of the flow over airfoils in cascades and in channels at high velocity.

"5. Because of his excellent record, and outstanding brilliance in the field of theoretical and applied aerodynamics, because of his continued excellent work in the associated fields of jet propulsion and missile development, and because of his superior ability in directing the work of his juniors, it is believed that Mr. PERL is entitled to promotion to the position of Aeronautical Engineer, grade P-5.

"Approved for change in grade from P-4 to P-5."

/s/ "C. KEMPER 2/24/45

/s/ "ABE SILVERSTEIN
Abe Silverstein, Chief,
Installation Research Div.

CV, F. O.
65-2730
JBO:DG

"65 Morton St.
New York 14, N.Y.
Feb. 12, 1947.

"Addison M. Rothrock
Chief of Research
Aircraft Engine Research Laboratory
NACA

"Dear Mr. ROTHROCK,

"I should like to request a year's extension of my leave of absence which ends about Feb. 16, 1947. The main reason for this request is that I stand a fair chance of doing a thesis under von KARMAN here at Columbia University,

"I realize and quite regret the fact that I am more or less breaking my word of a year ago of returning to the organization at this time. Perhaps my present (unforeseen) opportunity of studying under von KARMAN will be considered a reasonable extenuating circumstance.

"I deeply hope that you will be favorably disposed toward my desire to maintain this interim connection with NACA."

"Sincerely yours,

/s/ "BILL PERL"

"LWOP approved for
1 week ending 2-23-47
by TOUSIGNONT 2-18-47
ELF

"L.W.O.P. for period
requested by Mr. PERL approved.

/s/ "ABE SILVERSTEIN/elf"

"approved

/s/ J. D. TOUSIGNANT"

CV. F. O.
65-2730
JBO:DG

"March 10, 1948.

"Mr. William Perl,
65 Morton Street,
New York 14, N. Y.

"Dear Mr. Perl:

"This is to advise that your leave without pay period has been extended to June 15, 1948 in order that you may complete your present semester's work at Columbia University.

"It is requested that you immediately report to the PERSONNEL OFFICER upon your return to duty."

"Yours very truly,

ROBERT W. SCHMIDT

Robert W. Schmidt,
Acting Asst. Personnel Officer."

"RWS:jmc
cc A. SILVERSTEIN
Pers. Records
Pers. Actions
Fiscal
Empl. Relations
Files

RETURN TO AERL
PERSONNEL FILES"

CV. F. O.
65-2730
JBO:DG

March 5, 1948.

"Mr. William Perl,
65 Morton Street,
New York 14, New York.

"Dear Sir:

"The Investigation of Employees under the President's Loyalty Program under Executive Order 9835 dated March 21, 1947 requests that each employee submit Standard Form 84 'Request for Report on Loyalty Data' and Standard Form 86 'Fingerprint Chart'. This program must be completed by March 10, 1948. It is therefore requested that you complete the attached forms and return to this office immediately.

"Your Fingerprint Chart may be taken to the Local Board of Civil Service Examiners (Local Post Office) or the Police Station located in New York, New York.

"A self-addressed envelope is enclosed herewith for your convenience."

"Yours very truly,

/s/ "EM

Emilie Mateyka,
Chief, Employment and
Examining Section."

"Encls.
mb"

CV. F. O.
65-2730
JBO'D:jmc

"April 13, 1948

"Mr. WILLIAM PERL,
65 Morton Street,
New York 14, New York.

Dear Mr. PERL:

"The laboratory has been following your work at Columbia University with interest and has been very gratified with your progress.

"I am pleased to inform you that Mr. SILVERSTEIN has recommended you for promotion to the position of Aeronautical Research Scientist, P-6, \$7102.20 per annum, and that this promotion has received necessary NACA approvals.

"Payroll regulations prohibit the promotion of an employee in a leave without pay status and, therefore, your promotion will not be effective until you report to duty status.

"I am bringing these matters to your attention so you will know that the NACA has completed all action on its part necessary to give you a P-6 rating.

"We will appreciate hearing from you as to when you will report to duty status. In the event you have any questions regarding this matter, do not hesitate to bring them to my attention.

Yours very truly;

/s/ JOHN D. TOUSIGNANT

JOHN D. TOUSIGNANT,
Personnel & Administrative Management Officer.

VG:mes
c.c. Personnel
Files
Silverstein "

CV. F. O.
65-2730
JBO'D:jmc

"Box 88 Pupin Lab.
Columbia University
New York 27, N.Y.
Apr. 23, 1948

85940

210101

"Dear Mr. TOUSIGNANT,

"I wish to inform you that I plan to return to the
Cleveland Laboratory on or about June 1, 1948.

"May I take this opportunity of also of expressing
my appreciation for the promotion recently granted me?

"Please inform me of any necessary formalities
pursuant to my return to active duty.

Cordially yours,

/s/ WILLIAM PERL

"Please call me on this

JOF

"To
Write letter for my signature telling
him what to do.

JOF "

CV. F. O.
65-2730
JBO'D-jmc

" NACA - Lewis

" Cleveland, Ohio,
December 10, 1948.

" MEMORANDUM For Personnel Officer.

Subject: Recommendation for promotion of Mr. WILLIAM PERL, Chief,
Theoretical Analysis Panel, Wind Tunnel and Flight Division.

" 1. It is recommended that Mr. WILLIAM PERL be promoted from Aeronautical Research Scientist VI to Aeronautical Research Scientist VII. Mr. PERL has been with the NACA for almost 10 years except for a period of approximately 18 months in which he was taking graduate work at California Institute of Technology and Columbia University. He has now completed his course work and thesis for his Doctors degree.

" 2. Mr. PERL's work has been outstanding during the entire period of his employment. His knowledge and skill in the fields of theoretical and applied aerodynamics rank him among the leaders, and several of his papers may prove to be classics in their fields. During his stay at Columbia University, Mr. PERL served as assistant to Dr. von KARMAN, who has the highest respect for Mr. PERL's scientific ability.

" 3. Mr. PERL is in charge of the Theoretical Analysis Panel of the Wind Tunnel and Flight Division which is engaged at present in the fundamental studies of three major fields: supersonic flow, transonic flow, and boundary layers. In addition to supervising studies on these subjects, Mr. PERL is personally engaged in preparing for publication a new theory on transonic flows, which is believed to be a substantial contribution to the subject.

" 4. Because of Mr. PERL's outstanding researches in the field of theoretical and applied aerodynamics and because of the invaluable and irreplaceable nature of his contributions, it is recommended that he be promoted to the position of Aeronautical Research Scientist VII. Mr. PERL is entitled to a P-7 grade according to the present classification.

/s/ ABE SILVERSTEIN

ABE SILVERSTEIN, Chief,
Wind Tunnel and Flight Division.

" AS; aw

CLASSIFICATION RECOMMENDATION: December 30, 1948
Allocated to class titled, Supersonics Theoretical
Scientist, Description 402, Grade P-8, which is pending
NACA Headquarters approval.

APPROVED 1/7/49 " - 40 -

CV. F. O.
65-2730
JBO'D:jmc

" NACA - Lewis

" Cleveland, Ohio,
February 2, 1949

" MEMORANDUM For Chief, Wind Tunnel and Flight Division.

Subject: Request for official leave.

" 1. Official leave is requested for the period of January 24 through January 28 during which time the writer attended the annual meetings of the Institute of Aeronautical Sciences and the American Physical Society in New York.

" 2. Some highlights of the meetings are as follows:

" (a) The paper of BUSEMANN on "The Problem of Drag at High Subsonic Speeds" was based on the concept of GUNDERLY that flows past airfoils with continuous local supersonic regions occur theoretically only rarely regardless of size of local supersonic region. This concept is in contradiction with the actual calculations of supercritical velocity distributions for airfoils by the methods of KAPLAN, EMMONS, and PERL. No attempt was made by BUSEMANN to reconcile these results with the aforementioned concept of GUNDERLEY.

" (b) Substantial progress in setting up a statistical theory of isotropic turbulence was outlined by LIN in the turbulence symposium. The progress has been based essentially on applying the concept of similarity to the spectrum of turbulence. Very impressive checks with experiment were indicated. The theory is still basically phenomenological. A basis has been established however for deepening the analysis on the one hand toward a truly statistical theory and on the other hand for making a start on non-isotropic turbulence. Much emphasis is being placed on refining and making precise the experimental results, on which the theory is extremely dependent. These aspects were discussed by CORRSIN, LAUFER, KOVASZNAV, and FRENKIEL. The astronomers seem to be taking a great interest in turbulence. For example, turbulent flow processes in the sun are required to explain the high temperatures (of order on million degrees Centigrade) existing in the sun's outer atmosphere and responsible for the ultra-violet and x-ray radiations received by the earth.

" (c) The joint paper by KLEIN and PERL on "Calculation of Compressible Flow Past Ellipsoids of Revolution by an Integral Method" elicited an inquiry from Mr. KENT (of Aberdeen Proving Ground) as to how the method compared with the relaxation method. The impression is that a wait-and-see attitude exists toward the integral method pending more extensive comparisons of results with those by other methods.

CV. F. O.
65-2730
JBO'D:jmc

"(d) The use of the shock tube as an instrument for high speed (Possibly hypersonic) investigations and for studies of transient phenomena and phenomena requiring low free stream turbulence was discussed. The results presented, considering the simplicity and negligible power requirements of the shock tube, were very impressive to me. Research on this instrument might well be undertaken at this laboratory.

"(e) An interesting paper on the stability of plane flame fronts normal to a stream was presented. The methods used were similar to those by which the stability of a laminar boundary layer is analyzed. A photograph of the initial stages of the breakup of a laminar flame front was presented which showed that the theoretical problem is not an academic one.

"(f) On the fundamental side, the retiring presidential address of the American Physical Society by J. R. OPPENHEIMER on "Fields and Quanta" was a model illustration of how to combine difficult technical considerations with a poetic and generally illuminating method of delivery. OPPENHEIMER's opinion seemed to be that in a couple of years, when "the mathematics has been slugged through," the particle and wave aspects of a field of radiation is in interaction will have been combined into a satisfactory over-all theory.

"3. In general, the opportunity afforded by the meetings of exchanging views and gossip with other researchers was considered quite valuable. In my opinion the Lewis laboratory would benefit materially from a wider representation at such meetings.

WILLIAM PERL
Aeronautical Research Scientist.

"WP:aw

"c.c. Mr. SILVERSTEIN
Mr. PERL APPROVED AS/DEW
Files "

CV: F. O.
65-2730
JBO'D: jmc

"Personnel
Records

"From LEWIS
To NACA Headquarters

"Subject: Request for authorization for the detailing of LAWRENCE
J. MEEM and WILLIAM PERL to the Oak Ridge National
Laboratory.

"1. As a result of Mr. BEN PINKEL's visit to the Oak Ridge
National Laboratory on November 22, 1949, it is considered desirable
that LAWRENCE J. MEEM and WILLIAM PERL be detailed to this organi-
zation for a period of approximately one year to undertake certain
research investigations for the NACA.

"2. Approval is requested for arranging directly with Dr.
WEINBERG of Oak Ridge for the detailing of these employees and for
authorizing the necessary travel. It is recommended that per
diem be allowed during periods of actual travel and for a period
of 30 days after arrival of the above employees during which time
they will have an opportunity to secure suitable living accom-
modations.

/s/

ABE SILVERSTEIN,
Chief of Research.

JDT:mes"

CV. F. O.
65-2730

LETTERS FOUND IN PERL'S APARTMENT

The following material was copied from data obtained during an authorized search of the apartment at 666 East 103rd Street, Cleveland, Ohio, then occupied by WILLIAM PERL:

CV. F.O.
65-2730

A letter addressed to Mr. WILLIAM PERL, 570, Lexington Avenue, Room 711, New York 22, N.Y., U.S.A., and bearing return address Th v. KARMAN California Hotel, 16, Berri Paris, 8e, is as follows:

(1) "Th. v. Karman
California Hotel
16, rue de Berri
Paris

July 13th 1947

Mr. William Perl

Dear Bill:

"We safely arrived in Paris.

"I contacted various French aerodynamitists and find they are engaged in the same problems as we are.

"I found a fellow who works in conical flows and another man who works on detached shock waves. I think you ought to work on the latter problem. Nobody is yet so far, but sometimes they will get there.

"With best regards,

Cordially yours,

Th. v. Karman"

A letter addressed to Doctor William Perl, Aerodynamic Institute, Cornell University, Ithaka, U.S.A., and forwarded to Dept of Physics, Columbia Univ. New York, New York, bearing return address of Eidgenössische Technische Hochschule Institut für technische Physik, Zürich, is as follows:

(2)

September 4th 1947.

Doctor William Perl,
Aerodynamic Institute,
Cornell University,
Ithaka, U.S.A.

Dear Doctor:

CV. F.O.
65-2730

"On the occasion of a meeting in St-Louis (France), my coworker, Mr. E. Roth of Lucerne, and myself were able to discuss windperturbation-problems on trajectory with Professor von Karman. We also considered projectiles under the influence of an oblique air stream and Professor von Karman suggested that I should write to you asking for some more details. He told me that you are very well informed in this field.

"I should be greatly obliged to you if you could let me have particulars of the recent publications in U.S.A., especially in connexion with the work of Dr. Tsien, Calif. Institute of Technology.

"It might perhaps interest you that I have spent 2 years at The Calif. Institute of Technology, where I became very well acquainted with Professor von Karman.

Very sincerely yours

Dr. R. Saenger"

* * *

A letter addressed to Mr. William Perl, Box 88, Pupin Lab. Columbia University, New York 27, N.Y., bearing return address Dr. Theodore V. Karman Hotel California, Paris, is as follows:

(3)

Feb. 4th 1948

"Mr. William Perl
Box 88
Pupin
Columbia University
New York 27, N.Y.

"My dear friend:

"You are really the man who makes my conscience feel badly. I feel that I let you down somewhat, however, I want you to feel that this happened only because I could not do otherwise.

CV. F.O.
65-2730

"I hope that you devoted your time to useful studies and if I get back you show me many new things.

"Scientifically my stay in Europe did me a lot of good. I had some time to think over many fundamental questions and since I lost some of my interest in supersonic aerodynamics, I spent lots of time studying turbulence.

"I am, of course, still interested in the transonic problem. A few days ago I talked with Professor Hadamard who is over 80 and still working on existence theorems of the mixed solution. He showed me an old paper of Harry Bateman in which Bateman poses the question of mixed solution very clearly. I was rather surprised. I have never known of this paper of Harry.

"Professor Maurice Roy complained somewhat bitterly that we did, not include his name in the bibliography of my lecture on Supersonic Aerodynamics. I believe I gave you this paper so I put all the blame on you, I hope you do not mind.

"Now one practical question. I wrote to Lillian Fricker and asked her to make some preliminary work for the preparation of my incometax return. I imagine that my files are in your custody? Please be kind enough to help her. I asked her to either go to New York for a day or to write you to tell you which files she needs for the job. I thank you very much for your cooperation.

"My sister send her best wishes and I remain,

Very cordially yours,

Th. v. Karman"

* * *

A letter received from E.B. Badger and Sons Co., 43 Allston St., Beacon Hill, Boston 14, Massachusetts, with the salutation "Dear Will" is as follows:

(4)

"4/15/48

"Dear Will,

"I hesitated to write you any sooner because I wished to sop up as much of this new life as possible so that I may

CV. F.O.
65-2730

"make more accurate statements with regard to present conditions and future plans. My immediate feeling is one of intense happiness. Boston is offering me everything my senses require for satiation. The work I am doing is vaguely similar to what I learned at school, the conditions here on the job are most pleasant, my fellow workers are most helpful in offering me their advice, instruction, and time, & the pace is not killing.

"Besides my work, Boston offers me music. I have enrolled as a special student at the New England Conservatory and have embarked on a rigid work schedule beginning at 8:15 A.M. at which time I punch the time clock at Badgers. Punching out at 5:00 I dash over to the Conservatory where I punch my first "A" at 6:00. At 10:00 PM I stagger out quite punchy. How long can a body last at this rate?

"It is some strange quirk of justice that I find myself now at the N.E.C. Perhaps you will remember that after my discharge from the army I was undecided whether to study music or engineering. I wrote for the catalogues of several out of town music schools including the N.E.C. but the overcrowded conditions at that time was the prime factor pushing me back into the engineering grist mill. Its a bit frightening now to contemplate shouldering both engineering and music for a lifetime. It leaves time barely to do one's laundry and take a haircut. My strategy is to delay coming home for a visit as long as possible. Explain to my family for me in your own inimitable way, will you.

Sam"

* * *

A letter addressed to Mr. William Perl, Box 88 Pupin Laboratory, Columbia University, New York 27, N.Y. U.S.A., and bearing return address of Dienst Departement van Onderwills, Kunsten en Wetenschappen, Laboratorium voor Aero en Hydrodynamica der Technische Hoogeschool, Delft, Nieuwe Laan 76, is as follows:

(5)

"Delft, 27th of April 1948
Nieuwe Laan 76
Telefoon 1310

CV. F.O.
65-2730

"Mr. William Perl.
Box 88, Pupin Laboratory,
Columbia University
New York 27, N.Y.

"Dear Mr. Perl,

"I certainly would be glad if you should come to Delft for doing research work in fluid dynamics. Under the present circumstances this would have to be mainly theoretical (mathematical) work. From your letter I gather that you have been occupied with supersonic problems. Can you indicate somewhat more extensively what you have done?

"Have you done also any experimental work, either on supersonic flow, or on turbulence (with hot wires and amplifiers, etc.) ?

"How long do you intend to stay at Delft? After the summer vacation regular work will start here about October (in September I shall be absent most of the time in connection with scientific congresses).

"I suppose that your nationality is U.S. Do you get a grant from your university for coming over to Holland and for living here? It may be convenient if you would communicate your full name, date and place of birth, and whether you are single or married.

With sincere regards,
yours faithfully,

J. M. Burgers"

* * *

A letter addressed to William Perl, c/o YMCA 3200 Franklin Blvd. Cleveland 13, Ohio, and bearing return address Samuel Perl 936 Tiffany St., Bx. 59, N.Y., is as follows:

(6)

"936 Tiffany St.
Bx. 59, N.Y.
June 9, 1948.

CV. F.O.
65-2730

"Dear Will,

"To bring you up to date, here is a chronological listing of my recent manouverings:

"1) Started negotiations with E.B. Badger & Sons so that I may be employed on a part time basis in order that I may study full time at the New England Conservatory.

"2) Negotiations fail. Reason given - a precedent would be established which would threaten the future security of the company, the Commonwealth of Mass., and civilisation as a whole.

"3) Left for N.Y. on vacation to shop for a music school. Spoke to musicians and people in general in order to clarify my thinking and enrolled in the Juilliard Summer School.

"4) Returned to Boston and quit my job.

"5) Returned to N.Y.

Sam"

* * *

A letter addressed to Dr. W. Perl Flight Propulsion Lab. of the National Adv. Committee for Aeronautics, Cleveland (O), and bearing return address of Dr. Theodore V. Karman, Biarritz, Hotel Carllon, is as follows:

(7)

"Biarritz, August 10
Hotel Carllon

"Dear Bill,

"This letter considers my sisters car. At one of my previous visits I agreed, - really without consulting her - that you take the car to Cleveland in order to facilitate your movements from New York to your new post. The idea was at that time, that we return to New York in June and you bring back the car there.

CV. F.O.
65-2730

"Now, that we stay in Europe till November, we want to cancel your use of the car. My sister is very anxious to have the car to her free disposal. Therefore please be kind enough after receiving this letter, but certainly before Sept 7. to bring back the car to the Browns in New Jersey. My sister did not like the whole deal, especially Beehan's and your action without asking her directly.

"I have now a few days free and intend to read carefully your scientific production. This in a next letter.

"With best regards
yours cordally
T. Karman"

* * *

A letter addressed to Mr. William Perl, 1257 Brockley Avenue, Lakewood 7, Ohio, and bearing return address of Clyde E. Brown, Fairchild Publications, 8 East 13th Street, New York 3, N. Y., is as follows:

(8)

"August 20, 1948

Mr. William Perl,
1257 Brockley Avenue,
Lakewood 7, Ohio

Dear Bill:

"We have a house on Long Island for the summer, and Mrs. Brown is there most of the time now, so that I received your letter at the house when I returned there last night.

"Of course, it is all right to bring the car there again. It is probable Mrs. Brown will be there when you arrive on September 2nd or 3rd, but if not just go right ahead and put it in the garage and leave the keys under the front seat. If you arrive on Thursday afternoon the gardner will be there; and if you arrive Friday afternoon the maid will be there.

CV. F.O.
65-2730

"You may telephone me here at the office and we can arrange for someone to be there when you arrive, but that is not really necessary.

"Best wishes.

Sincerely,

Clyde E. Brown"

* * *

A letter addressed to Mr. Will Perl, 1257 Brockley Ave., Lakewood 7, Ohio, and bearing return address of Joseph P. Blum, 7923 - 209th Street, Utopin Station, Flushing, L.I., is as follows:

(9)

"Sept 5, 1948

Dearest Will,

"Before receiving your letter, I had already made up my mind to order the Encyclopedia Americana - I had seen it at Carrie's home. They have been enjoying it for a year. The deluxe edition, which looks like En Br - is 249.50. However, they have a maroon sealcraft binding without gold leaves which they sell at a special price of 169.50. Besides this, for paying cash, Eleanor got a premium of six book of Nature, on Butterflies, Insect, Bird, etc. We got a good Funk & Wagnell dictionary. The set amounts to about \$175 with shipping charges.

"Bobby made a bookcase for the 30 volumes. We have the books already because the salesman delivered them himself from the stockroom. Others advise it is 8 weeks delivery & since we paid for same, I think its foolish to wait since school starts next week & we wanted the children to have the benefit of same.

"They run a Research Institute like En Br - 100 coupons are given for ten years & we can send for an exhaustive treatise in any subject. They do original research & this is a wonderful service.

"You might avail yourself of this. Bobby is sending away a coupon for telescope since he wants to build one.

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"The books seem very worth-while & the children are really enthusiastic about them. You are very right about them being a long-term investment in good thinking.

"They are a movement to your sagacity & good will. Whoever comes in is very much impressed & when we say you bought them as a present for the children, everyone remarks about what a grand brother I have.

"Joe hasn't seen Sam yet. However shall we give him the money. Shall we deduct the \$175 - from the 400 income and you give him the balance of 225. That seems like a simple way of cancelling our debt & yours. Or do you have another suggestion.

"We are looking forward to seeing you in November & your seeing the books at that time. They are a focal point of our living room. Also, for ten years we can get a year book for \$5 - to keep us up to date, if we want same.

"Bobby is getting his treatments three times a week. Shortwave diathermy. He limps slightly but otherwise is getting along fine.

"Stephan Michael is gorgeous.

"P.S. Contrary to popular opinion I am not crazy as my mother thinks."

* * *

A letter addressed to Mr. William Perl, 3200 Franklin Blvd. Cleveland 13, Ohio, was marked "not here" and returned to the sender who then sent it to Mr. William Perl, NACA Flight Propulsion Research Laboratories, Cleveland Airport, Cleveland, Ohio, bearing return address of Fricker, 694 Crestview Ave. Akron 2, Ohio, is as follows:

(10)

"Phone: UNiversity 4310
694 Crestview Avenue
Akron 2, Ohio
September 6, 1948 (Labor Day)

CV. F.O.
65-2730

"Dear Bill,

"Thanks very much for your letter; it was forwarded to me from Boston.

"I have been in Akron since the end of July, because the metabolism ward closed for the summer and I expect that it will re-open on September 15. For the past three weeks, though, we have been away from home. My family took me along to Canada for a vacation. We had a lot of fun and phenomenal luck with the weather. I'm glad that we missed the awfully hot weather of a week or so ago. We stopped in Toronto for the National Exhibition and in Niagara Falls for a quick trip on the "Maid of the Mist."

"All your news about the Boss' movements was a complete surprise to me, because when I talked with Mrs. Schneider she knew nothing about when to expect him or what to do with the mail that was accumulating. Now that you have met Marie you can see that this is the eternal song of each successive secretary, and you have yet to meet the long-suffering one out at Caltech. It's a good thing you have broad shoulders.

"I think it would be very nice if, while I am in Akron (which will be for the rest of this week and next week-end, unless I hear otherwise by then) you could drive the "Karmen Plymouth" down to Akron and have dinner with us. You probably know that Mother got home last fall and that we have a home again. Do let me know when you could come. If I find out in the next few days that I will be in Akron longer, I will drop you a card and you would have more choice of time.

"I hope you'll be able to arrange it and I'll tell you anything you want to know about out experiments, fiendish and otherwise,

Sincerely,

Lillian"

* * *

A letter addressed to Mr. W. Perl, National Advisory Comm, for Aero, Cleveland Airport, Cleveland, Ohio, and bearing return address of H. Moses, Box 85, Pupin Columbia University, New York City, is as follows:

CV. F.O.
65-2730

(11)

"Box 85
Pupin Physics Labs.
Columbia University
New York City
September 18, 1948.

"Dear Bill;

"I'm afraid I've been very much remiss in my correspondence! However, though the summer was pleasant, nothing important enough to write about has happened.

"I'm sorry I missed you when you came to New York to see Von Karman just before he left. Were you able to catch him? What was his reaction when you showed him your results? If your paper is finished, and you have some extra copies, I'd like very much to see what your final results were.

"I spent most of the summer teaching. In the first session I taught physics 3 and 4 and completely understand your boredom with these courses. Physics 11 is much easier and therefore pleasanter. The students in physics 11 can think for themselves and aren't always afraid to make a move without consulting the instructor. In the second summer semester, which has just ended, I was teaching 11. It was a lighter load than in the regular winter or spring sessions because fewer students signed up than expected.

"Koxman's and Seitz's course in the theory of partial differential equations and theory of solids respectively were both very good, except that I had had most of the material previously. Seitz is very meticulous in the preparation of his lectures and they were very worthwhile even though largely descriptive.

"I finally broke down and bought a Dirac and studied it through most of the summer. I'm about 2/3 through. I found it very good even though his treatment of almost every topic is highly unconventional. I spent much of my time correlating his results with those of more conventional authors. Dirac, however, has a fine materialistic outlook which most other writers don't have. I'm finally learning what second quantization really is although I'm having trouble relating Dirac's treatment to that of Wentzel.

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"This Fall I'm taking Bethe's course in nuclear physics and his seminar on elementary particle theory. I'm also going to start seriously on the problem of pressure broadening of microwave absorption spectra. It occurs to me that if the resonance line width can be related to the pressure in some simple enough way that it might be possible to construct microwaves or infra-red equipment which would measure the pressure at various regions in a steady state fluid. Though it is very premature to talk about such a possibility, do you think the NACA could be interested in constructing such a device if it appears feasible? Here at Columbia they would not be interested, of course. Here they would use any results that I might get for their radar work.

"In this connection I noticed in the most recent physical Review (Sept 15) a technique for using the Debye-Sears theory of scattering of light by sound (I read the D-S article some time ago) to cause modification of light for turbulence measurement. Whether this method has any importance I don't know.

As ever
Harry"

* * *

A letter addressed to William Perl, 16802 Larchwood Avenue, Cleveland, 11, Ohio, and bearing return address of Samuel Perl, 936 Tiffany St., Bronx 59 N.Y., is as follows:-

(12)

"Dec. 31, 1948

Dear Will,

"Your first reactions to the keyboard are probably exactly just what Howowitz experienced when he had his first contact with the instrument. "Keyboard helplessness" is everybody's lot for the first few years. You should not get the impression that the whole business is a conspiracy against you. Playing the piano well is a problem, the solution of which may be gained if the proper forces are brought into play against it. These weapons are:

- * -

"1) Diligence: A daily schedule of practice followed by a period of "free play." You should never sit down at the piano unless you can do what is on the docket in a musical manner. This can always be done if speed is sacrificed at first. You will never be able to play any passage fast unless you can play it slow - so practice slowly, in correct relative rhythm, and with the feeling that your mind has control of your fingers.

"2) Patience: This includes a leathery exterior which must withstand all types of criticism by friends, neighbors, landlords and especially relatives. For the first doyn years you may very well be a sorry looking figure at the piano to those who merely pass a hasty judgement on the matter, but if what you have started is to have any meaning at all in your life, you must be able to take the hurt, the passing slights and disregard them.

"I recall seeing the name Elizabeth Sher on some poster in a N.Y. concert Hall. She studied with Miklos SchwalB not Miklos SchwalD. I would be very much surprised if there really was a Miklos SchwalD.

"Eleanor took her first lesson about a month ago, and according to Ann will be ready for her debut soon. However, it is furiously exciting to contemplate your respective musical progress(es). Its the old question, age & wisdom versus enthusiastic youth. Don't falter - I'm betting on you.

Sam"

* * *

A letter addressed to William Perl, 16802 Larchwood Avenue, Cleveland 11, Ohio, and bearing return address of Samuel Perl, 931 Tiffany St. Bx 59, N.Y., is as follows:

(13)

"June 19, 1949

Dear Will,

"I read your letter with a combination of amusement and dismay - amusement over your general sad shape and dismay over your musical obtuseness. It points to a faltering intelligence that you have not discovered the real reason for what you term your slow progress on the piano. What kind of progress can you

CV. F.O.
65-2730

expect when you devote but 3/4 hour per day to the piano. Had you given that same time to your general and technical education you would probably rate no higher than a Tasmanian Pinhead (or its American equivalent, a P-1). At first, I suspect you carve out that 3/4 hr. in the evening after your days work, when your most vital energy is already sapped. I can't emphasize the fact too strongly that an hour's practice upon awakening from a restful nights sleep is more profitable than any amount of time spent bent over the keyboard in a torpid state. I would conclude that under your present set-up any"

* * *

A letter addressed to Mr. William Perl, 16802 Larchwood Avenue, Cleveland 11, Ohio, and bearing the return address of Taller and Cooper Inc., 75 Front Street, Brooklyn 1, N.Y., is as follows:

(14)

"December 20, 1949

Mr. William Perl
16802 Larchwood Avenue
Cleveland 11, Ohio.

Dear Mr. Perl:

"I have your letter of December 8th offering your help to the Technion. I think it is very thoughtful and it is very much appreciated by me and all those interested in this work.

"At the present time our wind tunnel plans are still in the formative stage, but as soon as technical help is necessary I am sure that your background should be of great value.

"With kind personal regards and good wishes for the New Year, I am

Sincerely yours,

TALLER & COOPER, INC.

B. Cooper"

CV. F.O.
65-2730

The following is a letter written to "Dear Will, and dated February 8, 1950,

(15)

"February 8, 1950

Dear Will,

"I'm just writing a few words to say hello to you. Since last seeing you, I have held two jobs and am now working for the Government in Washington, D.C.

"As time goes by, I'm starting to see, more and more, many of the points you brought up when I saw you at Columbia. So far, I've been doing back work in engineering and haven't quite adjusted to it. (I have enough ego to feel I was cut out for better things.) The answer is more education and I am studying now for the Graduate Record Exam which will be given this May. If things go well, I'll start a master's degree, full time, this Fall, and try to go through a doctor's degree. The Government will still pay for two more years of schooling under the G.I. bill. I hope to take the above degrees in the electric power generation and transmission field.

"It is strange how the things you brought out about a person's work being the most important thing to build his life around, has been brought home to me in the several jobs I've had. I'd like to thank you for the talk.

"At present, I have a fairly nice three room apartment in Washington about five blocks from the Capitol. I share it with another fellow and the place can sleep four.

"If you want to come to Washington at any time in the near future, on business or pleasure, you have a standing invitation to stay at my place.

"Sam has not written in a long time so I sent a letter off to him last week and will probably hear from him in a week or two.

"I hope you are enjoying your present work in Cleveland and perhaps catching up on your cultural activities, now that your "formal" education is over.

CV. F.O.
65-2730

"With best regards.

Morris Birnbaum

411 Second Street, S.E.
Washington 3, D.C."

* * *

A letter addressed to William Perl, 16802 Larchwood Ave., Cleveland, Ohio U.S.A., and bearing return address of Samuel Perl 53 Rue Notre Dame de forotta, Paris 9, France, is as follows:

(16)

"81 Rue de Manbonge
Pairs 10
Feb. 9, 1950

"Dear Will,

"I have just returned from a piano recital and I imagine my feelings to be rather akin to yours when you attended the Physical Society meeting, namely one of "exaltation and despair." This business of playing the piano has completely overtaken me so that I'm really not fit company for anyone, save similar frenzied souls. I suppose that you must have had the same obsession (and still do) in your field in order to have reached the position you now occupy (is it P-64 by this time)! For the past four months I've been working 5 and 6 hours a day on the piano faithfully doing everything my two piano teachers have been whispering into my ear. (1 teacher just for technique, all in all 3 lessons a week on the instrument). I have scarcely been out and tonight marks some sort of turning point I feel. Its a combination of some "broken arpeggios" I've been working on, receiving your letter, and hearing this pianist (Eleanor Fine - that American kid prodigy grown up into young womanhood).

"Its all added up to give me renewed hope and direction. By the time you receive this letter I will have moved into new lodgings. Note new address above. The only basis for this move is that this new place is more suitable for work. My future

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'proprietaire' assures me that I can bang away from 8 in the morning till 10 at night. That's a 14 hour interval. Figure 5 hours for meals, ablutions, and miscellaneous and you're left with a respectable working day of 9 hours.

"I shouldn't like to give you the impression that I'm optimistic about success. There are times when I fall back exhausted after a practice session and can't sleep because a terror overtakes me. I think with dismay of past years when my energy was turned into channels that I was essentially uninterested in. Now in my 'middle age' when my vital energy is on the decline I am wrestling with the problems that really fascinate me; viz - how to make those little black notes on the printed page in a Beethoven Sonata really sound. A word about home. I got a disturbing letter from Sadie telling me that she sold my engineering books so that she could have enough money to go to Washington where she landed a job with the Govt. That's about a month ago. Haven't heard anything since! Has that girl gone completely mad? She also mentions that there is mail for me but fails to forward it.

"What a mess. It gives me an empty feeling in the stomach just to think of it. Foeey on this external world. We've got to seek happiness within ourselves.

"Its onward to more and bigger sonates, etudes - - Good-night now. Though I may not write to you often, be assured that I think of you and what you have taught me in the past.

Sam"

* * *

The following letter written by Sam and with the salutation 'Dear Will', is being set forth.

(17)

"81 Rue de Maubeuge
Paris 10
May 2, 1950

"Dear Will,

"Though you caution me not to worry, your letter made me feel sick at heart. The same emotions of indignation, astonishment;

'and disgust which you have experienced are now besetting me. Up until now the antics of some of our congressmen have only struck me as comical, but when they strike home, the matter takes on a more sinister appearance.

"I ran into Joel Barr at a student's restaurant where we both eat occasionally and questioned him about this development. He claims that he never was a Communist and that he doesn't know the whereabouts of Alfred Sarant.

"I don't exactly know what to say to you in the way of comfort, (maybe what you are now undergoing has been so often repeated to others that some form expression of consolation should have been stylized by now) except to say that its not too late for you to start studying music. There's room where I'm staying for another. I've been thinking of filling this void with a woman but I'm giving you first preference. How about it? I believe the saxophone would suit your personality.

"I have been re-reading your letter of April 2 which was a wonderful letter (you were really in top form); a letter full of lovely sounding phrases such as 'seeing God in terms of the languages we are learning to speak so laboriously' and others equally glorious. As a matter of fact, I took it along with me on my Easter vacation reading it from time to time.

"I took a hitch-hiking trip with a Scotch girl (a medical student) down through France and then over to Geneva.

"She is exceptionally intelligent and sympathetic person so I took the liberty of reading some of your golden words to her. She was particularly struck by the line, 'Keep in touch with the world, draw an occasional bit of sustenance from it and a check on your direction but otherwise concentrate on your individuality, that the world can draw sustenance from you later on.' She claimed that although she didn't know you she liked the person who could have spoken those words.

"My own 'progress report' is all too brief. I am working on a program, preparing several pieces to play before an examining jury at the end of June. From now on I have to start producing - so I turn my face on the world, bury myself in my task and prepare for the onslaught. If you don't hear from me in the coming months you'll know that I died in the attempt.

"Keep me informed about yourself.

SAM"

Publications By William Perl
(All classified as Restricted)

1. Katzoff, S. and Perl, W.: The End-Plate Effect of a Horizontal-Tail Surface on a Vertical Tail Surface. NACA-TN 797, Feb. 1941.
2. Perl, W.: The Calculation of Span Load Distributions on Swept-Back Wings. NACA TN 834, Dec. 1941.
3. Perl, W.: Axial-Flow Fans and Cooling Power, Part VI of High-Altitude Cooling. NACA ARR 141113, Sept. 1944.
4. Perl, W.: The Conformal Transformation of an Airfoil into a Straight Line and its Application to the Inverse Problem of Airfoil Theory. NACA ARR 14K22a, Dec. 1944.
5. Perl, W.: A Solution of the Direct and Inverse Potential Problems for Arbitrary Cascades of Airfoils. NACA ARR 14K22b, Dec. 1944.
6. Perl, W. and Green, L. J. : The Two-Dimensional Incompressible Potential Flow Over Corrugated and Distorted Infinite Surfaces. NACA ARR E5A05, Jan. 1945.
7. Perl, W. and Tucker, M.: A General Representation for Axial-Flow Fans and Turbines. NACA ARR E5E04, May 1945.
8. Perl, W. and Epstein, H. T.: Some Effects of Compressibility on the Flow Through Fans and Turbines. NACA ARR E5-43, July 1945.
9. Perl, W.: On the Minimum Pressure Attainable on an Airfoil in Mixed Subsonic-Supersonic Flow. NACA ARR (to be published)
10. Perl, W. and Moses, H. E.: The Jet Boundary Constriction Correction for Symmetrical Airfoils in a Closed Tunnel; A Solution by Conformal Mapping. NACA ARR (to be published)

CV. F.O.
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11. Perl, W. and Moses, H. E.: The Conformal Mapping of Two-Dimensional Duct Inlets. NACA ARR (to be published)
 12. Perl, W.: On the Calculation of Mixed Subsonic-Supersonic Potential Flows. NACA ARR (to be published)
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CV. F. O.
65-2730

LEADS

Since all requests for investigation are being set forth by teletype no leads are being set forth in this report.

Copies of this report are being furnished to those offices who have had or logically will have investigative leads in this matter.

~~SECRET~~

CV. F. O.
65-2730

CONFIDENTIAL INFORMANTS

T-1

~~CL-901~~

T-2

~~CL-902~~

T-3

WILLIAM C. GIBBONS, Director of
Personnel, NACA, Cleveland, Ohio.

T-4

~~CL-903~~ informant as
set forth in the report of SA
RAYMOND J. FOX dated May 10, 1950, b7d
at Baltimore in the case entitled
"ROBERT RESNICK; SECURITY MATTER - C".

T-5

~~CL-904~~ informant as set
forth in the above mentioned report
of SA RAYMOND J. FOX. b7d

REFERENCE: Report of SA JOHN P. O'DONOGHUE, Cleveland,
8/7/50.

~~SECRET~~

Julius Rosenberg Et AL.

Referral
National
Aeronautics
And Space
Administration

No. 7

APPEAL TO -

Mr. Miles Waggoner
Freedom of Information Officer
National Aeronautics and Space
Administration Headquarters

REFERRAL

Reviewed by: Amf / BRD

Packet: 7

AGENCY National Aeronautics and Space Administration

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Sidorovich (C.V.) 65-2730

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5/4/51

WFO Teletype to CV

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Dayton (HQ) 65-55336

73

12/11/51

NY report to HQ

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" " " "

73

12/11/51

Copy of cover sheet of
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Perl (HQ) 65-59312

404

5/21/51

W.F.O. Letter to HQ

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5/10/51

C.V. Teletype to HQ,
NY, WFO, BU

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PERL (HQ) 65-59312

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5/4/51

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Perl (HQ) 65-59312

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5/5/51

HQ TELETYPE TO CV

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5/4/51

W.F.O. Teletype to HQ
CV, NY

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Perl (HQ) 65-59312

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4/16/51

HQ Letter to S.F

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Perl (HQ) 65-59312

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4/9/51

W.F.O. Teletype to HQ
NY, CV

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Perl (HQ) 65-59312

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3/21/51

HQ Letter to NACA

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FBI WASHINGTON FIELD

5-4-51

9-04 PM

GAR

SAC, CLEVELAND

URGENT

WILLIAM PERL, ESPIONAGE DASH R, PERJURY. [ADDISON POTROCK, ASST DIRECTOR
AND ROBERT BELL, SECURITY OFFICER, NACA, WASHINGTON ADVISED THIS DATE
THAT THREE COPIES OF LEXINGTON REPORT FURNISHED NACA WASHINGTON BY AEC
OCTOBER SEVEN, FORTY EIGHT. COPIES NUMBERED EIGHT SEVEN A, EIGHTY EIGHT
A, SENT TO LEWIS LABORATORY OCTOBER ELEVEN AND NOVEMBER FOUR RESPECTIVELY
FIRST OF FEBRUARY FORTY NINE DR. SELDON, LEWIS LAB ADVISED POTROCK
THAT AROUND TEN UNNUMBERED PAGES WERE DISCOVERED TO BE MISSING FROM
EIGHTY EIGHT A. THESE PAGES WERE FROM CHAPTER SEVEN, CAPTIONED QUOTE
PERFORMANCE POSSIBILITIES OF NUCLEAR POWERED AIRCRAFT UNQUOTE. MISSING
PAGES CONTAINED GRAPHS AND SCHEMATIC DIAGRAMS DIRECTLY CONCERNED WITH
THE POWER PLANT AND BEING IDENTIFIED AS FIGURE VII ONE TO FIGURE VII
FORTY TWO DEPICTING DIFFERENT TYPES OF POWER PLANTS, REACTORS, SHIELD
END PAGE ONE

65-2730-508

SEARCHED	INDEXED
SERIALIZED	FILED
MAY 4 - 1951	
FBI - CLEVELAND	

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PAGE TWO

ING, AND AIRCRAFT AND THE ANALYSIS AND COMPARISON OF DIFFERENT FACTORS. THE FIGURES ARE REPORTEDLY ACCOMPANIED BY A PG UFO CERTAIN AMOUNT OF MATHEMATICAL EQUATIONS AND FORMULA. ROTHROCK DESCRIBES THESE MISSING PAGES AS THE QUOTE HEART OF THE WHOLE LEXINGTON REPORT UNQUOTE. COPY EIGHTY EIGHT-A WAS RETURNED BY LEWIS LAB TO NACA, DC AND ON APRIL FOURTEEN FORTY NINE SENT BACK TO AEC. AEC WASHINGTON PRESENTLY ATTEMPTING LOCATE THIS COPY. SUGGEST CLEVELAND INTERVIEW SELDON AND JESSIE HALL, ASST CHIEF OF RESEARCH, FORMER ACTING SECURITY OFFICER NACA CONCERNING ABOVE. FOR INFORMATION NEW YORK, GAO, DC INFORMS CANCELLED PAYROLL CHECKS OF PERL WILL BE MADE AVAILABLE TO UFO ABOUT MAY NINE NEXT AFTER WHICH PHOTOSTAT COPIES WILL BE EXPEDITIOUSLY FURNISHED NEW YORK. REPORT FOLLOWS.

STEIN

DORR LAST WORD LINE FIVE SHODL READ FOURTEEN

BUREAU AND NYC ADVISED

END

OK FBI CV JET

D

45-2730

SEARCHED	INDEXED
SERIALIZED	FILED
MAY 4 1951	

FEDERAL BUREAU OF INVESTIGATION

 FORM NO. 1
 THIS CASE ORIGINATED AT

BOSTON

FILE NO.

MSB

REPORT MADE AT NEW YORK	DATE WHEN MADE 12/11/51	PERIOD FOR WHICH MADE 10/1, 8-11, 13, 13-20, 23, 24, 26, 31, 11/19-21, 26, 29/51	REPORT MADE BY HERMAN C. LITTLEJOHN
TITLE WELDON BRUCE DAYTON			CHARACTER OF CASE ESPIONAGE - R; PERJURY

SYNOPSIS OF FACTS:

Additional information developed to establish Sunday, 1/29/50, as day DAYTON and WILLIAM PERL were allegedly at 65 Morton Street, New York City. NYCPD has no record of Motor Vehicle violation by ERNEST PAUL GRAY. Information appearing on NY Automobile Registrations and New York Operator's Licenses issued to DAYTON from 1947 to 1951, set forth. [Review of WILLIAM PERL's official travel records and expense vouchers, reflects no information indicating PERL in NYC on 1/29/50.]

DATE

3-17-52

- P -

DETAILS:

The following investigation was conducted in an effort to obtain additional information which would conclusively establish the date upon which furniture was moved from Apartment 6I, 65 Morton Street, New York City, this being the time the apartment leased in the name of ALFRED SARANT was vacated by GARETH (GARY) PICKARD.

It is noted that the day this furniture was moved is the day subject, DAYTON, and WILLIAM PERL were allegedly at 65 Morton Street.

APPROVED AND FORWARDED: <i>[Signature]</i> SPECIAL AGENT IN CHARGE	DO NOT WRITE IN THESE SPACES
COPIES OF THIS REPORT 5 - Bureau (65-59336) 1 - Albany (65-1676) 3 - Boston (65-3424) 1 - Cleveland (65-2744) (Info.) 3 - New York (65-15443)	ENCLOSURE 65-59336-73 RECORDED - 35 INDEXED - 30 EX-130 DEC 12 1951

PROPERTY OF FBI—This confidential report and its contents are loaned to you by the FBI and are not to be distributed outside of agency to which loaned.

SECURITY INFORMATION - CONFIDENTIAL

 DECLASSIFIED BY
 3-2-78

Al/bja

NY 65-15403

On October 11, 1951, Mrs. JOANNE BOUDREAU, Secretary, 65 Morton Street Realty Corporation, 310 East 55th Street, New York City, advised that the records of this company reflect that apartment 6I at 65 Morton Street, was rented in ALFRED SARANT's name until February 1, 1950 and that THOMAS F. DONOVAN took possession on February 1, 1950, paying his first month's rent on that date. Mrs. BOUDREAU said there was no lease or written rental agreement executed by DONOVAN and that the Realty Company had no other records regarding this tenant.

FLOYD ELWYN, Jr., superintendent at 65 Morton Street, has advised that he recalls that DONOVAN moved into apartment 6I on January 31, 1950 because DONOVAN had to leave his old apartment prior to February 1, 1950 or pay another month's rent.

On July 25, 1950, Confidential Informant T-1, of known reliability, advised that the utilities in apartment 6I at 65 Morton Street, were maintained in ALFRED SARANT's name until February 1, 1950 and connected for THOMAS F. DONOVAN on February 1, 1950.

T-1 further advised that DONOVAN had been employed as a guard by Agwilines Steamship Company, New York City.

On October 8, 1951, the reporting agent determined that DONOVAN filed a Removal Notice at the United States Post Office Branch C, Zone 14, located at 150 Christopher Street, New York City, indicating a change of address for himself and his family from 22 Grove Street to 65 Morton Street. The date of this Removal Notice was February 2, 1950.

On October 1, 1950, MICHAEL McCAULEY, superintendent, 22 Grove Street, New York City, advised SA ROBERT F. ROYAL that THOMAS F. DONOVAN had apartment 6D at this address until on or about January 31, 1950. McCAULEY remembered that DONOVAN came to him and advised

NY 65-15403

that he had an opportunity to rent a larger apartment at 65 Morton Street and that he, McCAULEY, suggested that if possible, DONOVAN move before February 1, 1950, so that DONOVAN would not have to pay an additional month's rent.

On October 1, 1950, SA ROBERT F. ROYAL reinterviewed THOMAS F. DONOVAN and his sister, Mrs. FRANK GARLAND, both residents at 85 Christopher Street, New York City. DONOVAN said that he definitely was in apartment 61 at 65 Morton Street on January 31, 1950 and that he was moved from their 22 Grove Street address by the Village Express Company, Christopher Street, New York City, on the morning of January 31, 1950.

Mrs. GARLAND stated that she was present during the moving and she recalled that it took place on the last day of January, 1950.

SA ROYAL checked the records of the Village Express Company, 82 Christopher Street, New York City on October 1, 1951 which reflected that DONOVAN had a moving appointment for 9 am on January 31, 1950 from 22 Grove Street to 65 Morton Street, New York City.

In July, 1950, ALBERT MARGOLIS, Chief Clerk, Personnel Department, Agwilines, Inc., Piers 34-36, North River, New York City, advised SAs VARRO L. RITTER and ALEXANDER C. BURLINSON, that the records of that Company indicated that THOMAS F. DONOVAN had been employed by this company as a guard from 1946 to 1947 and as a watchman from January 22, 1948 to November 4, 1949.

On November 19, 1951, THOMAS F. DONOVAN advised reporting agent that he was unemployed at the time he moved to 65 Morton Street and that the first position he obtained subsequent to his employment with Agwilines was that of guard with the New York City Department of Parks.

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On November 29, 1951, Mr. ALEXANDER WIRIN, Personnel Department, Department of Parks, New York City, advised reporting agent that THOMAS F. DONOVAN, 65 Morton Street, New York City, had been appointed an assistant guard, provisional, on July 19, 1950 and had been employed in that position until August 29, 1950.

It therefore appears that the date DAYTON and WILLIAM PERL were allegedly at 65 Morton Street at which time MAXWELL PINESTONE and GARETH (GARY) PICKARD were moving the remaining furniture from apartment 6I had to be prior to January 31, 1950.

It is noted that furniture was still in apartment 6I on Saturday, January 28, 1950, when DONOVAN and his relatives inspected this apartment and further that DONOVAN is positive of this date as January 28, 1950 as it was also the date of his mother's burial.

PICKARD has advised that the moving took place on a Sunday, therefore, if DAYTON and PERL were at 65 Morton Street as alleged, they must have been there on January 29, 1950.

DAYTON has advised that he drove to New York City on February 1, 1950 from Ithaca, New York with ERNEST PAUL GRAY to attend a meeting of the American Physical Society.

On October 24, 1951, SA AUGUST J. MICEK checked the Traffic Records of the New York City Police Department and found no record of a Motor Vehicle violation by ERNEST PAUL GRAY.

By letter dated October 25, 1951, the Albany Office forwarded to New York photostatic copies of automobile registrations and drivers' licenses obtained by subject, DAYTON, in New York State as reflected in the records of the New York State Bureau of Motor Vehicles, Albany, New York. A review of these documents reflects the following:

NY 65-15403

Automobile Registrations

1947 - 1938 Ford Coach, License 7X6704, M.V. Code JBB

DAYTON registered this car, Engine #54361124, Model 82A, on January 30, 1947. He listed his residence as 805 South Plain Street, Ithaca, New York.

1948 - 1938 Ford Coach, License 7X1158, M.V. Code JBB

DAYTON re-registered this car described above on December 30, 1947. He listed his residence as Cayuga Heights Road, (Route 1) Ithaca, New York.

1949 - 1937 Studebaker Sedan, Plate number TP 4529, M.V. Code WX (?)

This registration #3892703 was dated December 24, 1948. The car had serial number 5853129 and engine number D-116559. It was a brown Dictator Model. DAYTON listed his address as RD #1, Ithaca, New York, and listed his employment as "Cornell University."

A Statement of Transfer attached to this registration indicated that this car was transferred to DAYTON on December 22, 1948 by PHILIP MORRISON, 514 Wyckoff Road, Ithaca, New York, who had registered this car in 1948 in New York, being issued New York license 7X3749.

1950 - 1937 Studebaker Sedan, License 7X2333, M.V. Code JBB

DAYTON re-registered this car described immediately above on January 13, 1950. He listed the same residence and employment.

NY 65-15403

1951 - 1937 Studebaker Sedan, License 7X1811,
M.V. Code JBB

This is the same car registered by DAYTON in 1949 and 1950. He re-registered it on January 5, 1951 listing the same address and employment.

The Albany Office advised that the New York State Motor Vehicle Bureau has destroyed all records previous to 1947 in accordance with New York State law and that it was not possible to determine from whom DAYTON purchased the 1938 Ford. Further, since no Motor number file is maintained by the Bureau of Motor Vehicles, it was impossible to determine to whom DAYTON sold this automobile.

Operators' Licenses

On February 6, 1947, DAYTON was issued Operator's License number 5312082, M.V. Code LK(?). This license expired September 30, 1949. DAYTON executed this license as WELDON BRUCE DAYTON, 805 South Plain Street, Ithaca, New York, and described himself as follows:

Date of Birth:	February 10, 1918
Color:	White
Sex:	Male
Weight:	147 lbs.
Height:	5' 7"
Eyes:	Hazel
Hair:	Brown

The Renewal Stub of this license indicated that DAYTON was arrested for speeding, "near Middletown, New York," on September 18, 1946 for which offense he paid a \$5.00 fine.

NY 65-15403

DAYTON is presently the holder of New York Operator's License number 5143660 issued September 23, 1949, M.V. Code XZ. This license expires September 30, 1952. DAYTON furnished the same address and description as that on his previous Operator's License and said he was employed by Cornell University.

The photostatic copies of the above described documents are being retained as part of the New York file.

In October, 1951, the National Advisory Committee for Aeronautics, Headquarters, Washington, D.C., made available to the Bureau expense vouchers and other official documents covering the travel of WILLIAM PERL over a period from December 21, 1943 to February 6, 1950. A review of these documents reflects no information indicating PERL's whereabouts on January 29, 1950.

A review of the above described documents reflects that PERL submitted no expense vouchers for January, 1950 and received no authorization for travel in that month.

In February, 1950, he received travel authorization dated January 27, 1950, requesting him to proceed to New York on or about February 1, 1950 for the purpose of recruiting technical personnel at Columbia University.

The expense voucher submitted by PERL reflects that he left Cleveland, Ohio, on February 1, 1950 at 2:15 p.m. via United Airlines and arrived in New York at 4:30 p.m. that date. This expense voucher stated that PERL left New York City at 8:15 a.m. via United Airlines on February 6, 1950, arriving in Cleveland at 10:25 a.m.

SECURITY INFORMATION - ~~CONFIDENTIAL~~

NY 65-15403

PERL's official records also reflect that travel authority was requested for PERL to attend the American Physical Society meeting from January 26-29, 1949 as temporary duty, but that it was later decided in the interest of conserving travel funds, that PERL would not attend this meeting.

The Chicago Office advised on September 29, 1951, that the records of the United Airlines reflect that PERL was issued a round trip ticket on January 31, 1950 at Cleveland and that he flew to New York on February 1, 1950, was scheduled to return on February 5, 1950, but changed this date to February 6, 1950.

On October 1, 1951, SAs ROBERT F. ROYAL and RICHARD T. HRADSKY, contacted Mr. JAMES MILES, Special Agent for United Airlines, New York City, who located the record reflecting PERL's departure from New York on February 7, 1951 at 8:15 a.m.

It is noted that PERL indicated that he left New York City February 6, 1950 at 8:15 a.m., but that United Airlines records and his leave records as reflected below, indicate that he actually returned to Cleveland on February 7, 1950.]

Official leave records at the National Advisory Committee for Aeronautics at Cleveland, reflect no official leave for PERL on February 1, 1950, but that he was granted official leave for February 2 and 3, 1950. He was also granted leave for February 6, 1950 and for three hours on February 7, 1950.

- P E N D I N G -

SECURITY INFORMATION - ~~CONFIDENTIAL~~

NY 65-15403

ADMINISTRATIVE

INFORMANTS

T-1

Consolidated Edison records,
New York City, checked by
SAs VARRO L. RITTER and
ALEXANDER C. BURLINSON.

MISCELLANEOUS

A copy of this report has been designated for the information of the Cleveland Office inasmuch as that office has conducted considerable investigation in this case and related cases and has a continuing interest in these matters.

LEADS

ALBANY

C. Allen 84

At Albany, New York

Will determine from the Bureau of Motor Vehicles the location of the Motor Vehicle Registration machines bearing code numbers JBB, WX(?), LK(?) and XZ, appearing on automobile registrations and operators' licenses issued to DAYTON as described herein.

NEW YORK

At New York, New York

Will review New York files for information concerning the following individuals and will then consider interviewing them regarding their association with or knowledge of WELDON BRUCE DAYTON:

NY 65-15403

ADMINISTRATIVE (cont'd)

FRANK C. COLLINS
SANDRA COLLINS
Doctor RALPH GUNDLACH
ALFRED GEORGE MARSHAK
MARCEL SCHERER

REFERENCE

Report of SA HERMAN C. LITTLEJOHN,
9/29/51, New York. *see ser. 15*

FEDERAL BUREAU OF INVESTIGATION

FORM NO. 1

THIS CASE ORIGINATED AT

BOSTON

FILE NO.

MSB

REPORT MADE AT NEW YORK	DATE WHEN MADE 12/11/51	PERIOD FOR WHICH MADE 10/1, 8-11, 13, 18-20, 23, 24, 26- 31, 11/19-21, 26, 29/51	REPORT MADE BY HERMAN C. LITTLEJOHN
TITLE WELDON BRUCE DAYTON			CHARACTER OF CASE ESPIONAGE - R; PERJURY

SYNOPSIS OF FACTS:

Additional information developed to establish Sunday, 1/29/50, as day DAYTON and WILLIAM PERL were allegedly at 65 Morton Street, New York City. NYCPD has no record of Motor Vehicle violation by ERNEST PAUL GRAY. Information appearing on NY Automobile Registrations and New York Operator's Licenses issued to DAYTON from 1947 to 1951, set forth. [Review of WILLIAM PERL's official travel records and expense vouchers, reflects no information indicating PERL in NYC on 1/29/50.]

- P -

DETAILS:

The following investigation was conducted in an effort to obtain additional information which would conclusively establish the date upon which furniture was moved from Apartment 6I, 65 Morton Street, New York City, this being the time the apartment leased in the name of ALFRED SARANT was vacated by GARETH (GARY) PICKARD.

It is noted that the day this furniture was moved is the day subject, DAYTON, and WILLIAM PERL were allegedly at 65 Morton Street.

APPROVED AND FORWARDED: 1	SPECIAL AGENT IN CHARGE	DO NOT WRITE IN THESE SPACES	
COPIES OF THIS REPORT			
(5) - Bureau (65-59336)			
2 - Albany (65-1675)			
3 - Boston (65-3424)			
1 - Cleveland (65-2740) (Info.)			
3 - New York (65-15403)			

PROPERTY OF FBI—This confidential report and its contents are loaned to you by the FBI and are not to be distributed outside of agency to which loaned.

Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR, FBI

DATE: May 21, 1951

FROM : SAC, WFO

32448

RA SUBJECT: WILLIAM PERL wa.
ESPIONAGE - R
PERJURY
(Bufile 65-59312)

ATTENTION: FBI LABORATORY

132592

There is being furnished the Laboratory the following documents made available by ROBERT BELL, Security Officer, National Advisory Committee for Aeronautics:

1. Two stapled pages bearing penciled handwriting and figures captioned "Rothrock's Special Project" dated August 18, 1948 and signed W. PERL.

2. Two page letter dated April 12, 1948, bearing ink handwriting with salutation "Dear ABE" and signed "Best regards, BILL."

It is requested that the handwriting of the above documents be compared with specimens of the handwriting of WILLIAM PERL which have previously been forwarded the Laboratory and that a copy of the Laboratory report be made available to the New York Office. At the conclusion of the requested examination, it is desired that the original documents be sent the New York Office in order that same may be available if their introduction is required in subject's pending trial.

It is further requested that one photostatic copy of the above documents be returned to the Washington Field Office as the NACA has requested such copy for their files pending the return of the original documents.

65-5543
RLS:imn

G. L. R. 3

cc: New York (65-15387)
Cleveland (65-2730)

47 ENCL.

RECORDED - 49

INDEXED - 49

MAY 22 1951

18

INDEX FILE

COPY AND SPECIMENS RETAINED IN LAB.
FOR LAB. ACTION AND REPORT

FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

MAY 10 1951

TELETYPE

FBI, CLEVELAND 5-10-51 4-01 PM EDST MAO
DIRECTOR AND SACS NEW YORK, WFO AND BUFFALO URGENT

WILLIAM PERL, AKA, ESP-R, PERJURY. REBULETS APRIL TWENTYSEVEN AND
TWENTY EIGHT AND BUTEL MAY FIVE. RE LEXINGTON REPORT. ABE

~~SILVERSTEIN, E. J.~~ ~~MANGANIELLO, R. F.~~ ~~SELLEN, SIDNEY SIMON AND~~
~~JESSE HALL~~ OF NACA ADVISE PERL HAD NO ACCESS TO LEXREP OR OTHER
AEC DATA. CONSENSUS OF OPINION IS ROSENBERG PROBABLY REFERRED
TO LEXREP WHEN HE TOLD GREENGLASS HE HAD MATHEMATICS OF NUCLEAR
PROPELLED AIRPLANE. LEXREP WAS A STUDY OF FEASIBILITY OF NUCLEAR
AIRCRAFT AND COMPARISON OF POSSIBLE METHODS TO BE PURSUED. [ROBERT
~~BELL~~, NAT-L NACA SECURITY OFFICER ADVISED HE LOCATED MEMO BY PERL
WHICH MAY INDICATE HE KNEW OF LEXREP. OPINION DIVIDED ON THIS
POINT AT NACA CV. AND BELL TAKING MEMO TO NACA WASHINGTON TO
DISCUSS WITH ADDISON ROTHROCK ASS-T DIRECTOR AND HUGH DRYTON
NAT-L DIRECTOR, NACA. HE WILL ADVISE BUREAU OR WFO. BELL ALSO
ADVISED CONFIDENTIAL SOURCE STATED HE HAD HEARD RUMOR [REDACTED]
INSTRUCTED [REDACTED] TO GIVE PERL AEC DATA.] [REDACTED]

DENY THIS TO BELL] AND DENIED TO BUAGENTS EVER GIVING ANY DATA TO

COPIES DESTROYED
R 47 NOV 22 1960
PERL TO WHICH HE WAS NOT ENTITLED. BELL-SOURCE WILL BE REINTER-
VIEWED BY BUAGENTS. RE MISSING PAGES LEXREP COPY EIGHTY EIGHT A.
RECORDED - 141
INDEXED - 141
65-59312-400

THIS COPY AVAILABLE TO ABE SILVERSTEIN, BEN PINKEL, R. F. SELLEN
AND IRENE KIVES, LEXREP IS PAPER BOUND AND STAPLED WITH LINEN TAPE

FX-72
HANDLED BY
FIVE

PAGE TWO

OVER STAPLES. ALLEGEDLY TWO SECTIONS OF CHAPTER SEVEN IN THIS COPY WHICH MAY ACCOUNT FOR ABSENCE OF CHARTS ORDINARILY ACCOMPANYING CHAPTER SEVEN.

RE BULET MAY THREE RE GENERAL INFO, RE JET FIGHTERS AND EXPERIMENTAL AIR COMPRESSION ENGINE. [BELL ADVISES ACCORDING TO ROTHROCK AND DRYDON INFO IS GARBLED BUT MAY REFER TO P-FIFTY NINE AND J-THIRTY ONE, G.E. ENGINE.] PERL HAS PREVIOUSLY ADVISED HE DID SOME WORK ON P-FIFTY NINE, HOWEVER THIS IS A BELL AIRCRAFT PLANE AND THEREFORE SHEVCHENKO ALSO LIKELY SOURCE. FURTHER INQUIRY BEING MADE LOCALLY.

ABBATICCHIO

COR PLS PJ ONE LINE SEVEN WORD TWO IS AIRPLANE
LINE TWELVE WORD NINE IS DRYDON

END

ACK IN ORDER PLS

WA 4-09 PM OK FBI WA JD

NY OK FBI NYC DW

BU OK F IFBI BU RMMV

DISC

COM

TWO COPIES WFO

cc. [unclear]

Office Memorandum • UNITED STATES GOVERNMENT

TO : D. M. Ladd

FROM : A. H. Belmont

SUBJECT: WILLIAM PERL, aka.
ESPIONAGE - R
PERJURY

DATE: May 4, 1951

Tolson _____
Ladd _____
Clegg _____
Glavin _____
Nichols _____
Rosen _____
Tracy _____
Harbo _____
Belmont _____
Mohr _____
Tele. Room _____
Nease _____
Gandy _____

PURPOSE:

To advise that Robert Bell, Security Officer for the National Advisory Committee for Aeronautics, has furnished information that on February 1, 1949, the Lewis Flight Propulsion Laboratory of NACA at Cleveland, Ohio, where subject Perl was then employed, discovered that the last 12 pages of copy 88A of the "Lexington Report" concerning the NEPA (nuclear energy for propulsion of airplanes) project were missing. Further, that these missing pages contained graphs, charts, schematic drawings, and mathematical equations relative to nuclear power plants and, according to NACA's Director of Research on the project, constituted the "heart of the entire NEPA project."

To recommend that Liaison obtain from AEC copy #88A of the "Lexington Report" so that it can be appropriately examined by the FBI Laboratory and determine what, if any, action was taken by AEC upon receipt of the report on April 13, 1949. To further recommend that immediate investigation be conducted by the Cleveland division relative to these missing pages and particularly, that immediate efforts be made to determine whether copy 88A was at any time accessible and in the possession of William Perl.

DETAILS:

You will recall that David Greenglass, confessed Soviet agent, testified at the New York trial that some time in 1948, ~~Julius~~ Julius Rosenberg stated that he (Rosenberg) had the mathematics on the problem of atomic energy for airplanes, which problem had just been completed by the scientists. In addition, you will recall that Jerome Eugene Tartakow, fellow prisoner of Rosenberg at the Federal House of Detention, New York City, recently advised that Rosenberg had informed him Perl had furnished to him (Rosenberg) much valuable information, including the plans of nuclear fission to propel airplanes.

Attachment

EFE:awb

RECORDED - 29

65-59312-399

Copy 88A
obtained from
AEC and furnished
to Espion
10/1/51

As a result of the above information, appropriate inquiries had previously been made of AEC, at which time it was learned that Rosenberg in his statement to Greenglass concerning the mathematics on the problem of atomic energy for airplanes was undoubtedly making reference to the mathematics of the NEPA project, which appeared in the "Lexington Report" completed on September 30, 1948. Inasmuch as it was learned that a Mr. Addison M. Rothrock, who is presently an Assistant Director of that committee, had been in charge of the NACA's research activities in connection with the NEPA project, the Washington Field Division was requested by Bulet dated April 27, 1951, to appropriately interview Mr. Rothrock.

[As a result of this interview, Robert Bell, the Security Officer for NACA, and Special Agent Robert Smeltzer contacted Supervisor E. F. Emrich, who is handling the Perl case, concerning this matter. Mr. Bell advised that from a check of their records, it was learned that the NACA Headquarters in Washington had received three copies of the "Lexington Report" from AEC on October 7, 1948, one copy of which, #87A, was sent on October 11, 1948, to the Lewis Flight Propulsion Laboratory. Further, that on November 4, 1948, copy #88A was similarly sent to that laboratory, both copies being sent to Robert F. Selden. According to Mr. Bell, a letter was received from the Lewis Flight Propulsion Laboratory, dated February 1, 1949, wherein it was indicated that they had discovered the last 10 or 12 pages of copy #88A to be missing and requested a replacement of this copy. Accordingly, in April, 1949, copy #88A was replaced and that copy was sent to AEC, being mailed on April 15, 1949.]

Mr. Bell advised that the 10 or 12 missing pages had been attached to Chapter 7 of the "Lexington Report," which is entitled "Performance Possibilities of Nuclear Powered Aircraft." He added that the missing pages consisted of graphs, charts, schematic diagrams, and mathematical equations relative to the nuclear powered plants and, according to Mr. Rothrock, constituted the "heart of the NEPA project." Mr. Bell advised that apparently no investigation was ever conducted by NACA concerning these missing pages, nor has AEC ever made any inquiry of NACA concerning these pages.

RECOMMENDATION:

It is recommended that Liaison make an immediate effort to obtain copy #88A of the "Lexington Report" from AEC so that it can be examined by the FBI Laboratory, and determine from an appropriate inquiry of AEC as to the exact nature of the missing pages, as well as the action

taken by them upon return of this copy of the report by NACA on April 16, 1949.

To further recommend that the Cleveland division be requested to conduct an immediate investigation at the Lewis Flight Propulsion Laboratory at NACA, Cleveland, relative to these missing pages and particularly, make an effort to ascertain whether copy #88A was at any time available or accessible or in the possession of subject Perl. A teletype to Cleveland is attached hereto for your approval.

OK
✓

RECORDED

65-59312 - 399

Deferred

WILLIAM PERL, AKA., ESPIONAGE DASH E, PERJURY. [ROBERT BELL, SECURITY OFFICER, NACA, ADVISED TODAY LAST TEN OR TWELVE PAGES OF COPY NUMBER EIGHTY-EIGHT A, OF QUOTE LEXINGTON REPORT UNQUOTE, DISCOVERED MISSING ON FEBRUARY ONE, NINETEEN FORTY-NINE, BY OFFICIALS LEWIS FLIGHT PROPULSION LABORATORY OF NACA, CLEVELAND. MISSING PAGES DESCRIBED AS CONTAINING GRAPHS, SCHEMATIC DRAWINGS, AND MATHEMATICAL EQUATIONS CONCERNING NUCLEAR POWERED PLANTS AND CONSTITUTED, ACCORDING TO NACA DIRECTOR OF RESEARCH, THE QUOTE HEART OF THE ENTIRE PROJECT QUOTE. NACA ADVISED COPY EIGHTY EIGHT A ORIGINALLY SENT TO NACA'S CLEVELAND LABORATORY ON NOVEMBER FOUR, NINETEEN FORTY-EIGHT. REQUEST YOU IMMEDIATELY CONTACT DR. ROBERT F. SELDEN AND OTHER APPROPRIATE OFFICIALS LEWIS FLIGHT PROPULSION LABORATORY FOR ADDITIONAL DETAILS RELATIVE TO THESE MISSING PAGES OF THE QUOTE LEXINGTON REPORT UNQUOTE AND PARTICULARLY MAKE EFFORT ASCERTAIN WHETHER COPY EIGHTY-EIGHT A WAS AT ANY TIME MADE AVAILABLE TO OR IN POSSESSION OF PERL.]

HOOVER

EFF:ATY

CC-NEW YORK (BY MAIL)

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SIG. B. K. 6

FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

MAY 5 - 1951

60 MAY 22 1951

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FBI WASH FIELD

5-4-51

4 P. M.

DIRECTOR AND SACS CLEVELAND AND NEW YORK U R G E N T

WILLIAM PERL, ESPIONAGE DASH R, PERJURY. [ADDISON ROTHROCK,

ASST DIRECTOR AND ROBERT BELL, SECURITY OFFICER, NACA, WAS

WASHINGTON ADVISED THIS DATE THAT THREE COPIES OF LEXINGTON
REPORT FURNISHED NACA WASHINGTON BY AEC OCTOBER SEVEN,

FORTY EIGHT. COPIES NUMBERED EIGHT SEVEN A, EIGHTY EIGHT A,

SENT TO LEWIS LABORATORY OCTOBER ELEVEN AND NOVEMBER FOUR

RESPECTIVELY. FIRST OF FEBRUARY FORTY NINE DR SELDON,

LEWIS LAB ADVISED ROTHROCK THAT AROUND TEN UNNUMBERED PAGES

WERE DISCOVERED TO BE MISSING FROM EIGHTY EIGHT A. THESE

PAGES WERE FROM CHAPTER SEVEN, CAPTIONED QUOTE PERFORMANCE

POSSIBILITIES OF NUCLEAR POWERED AIRCRAFT UNQUOTE.

MISSING PAGES CONTAINED GRAPHS AND SCHEMATIC DIAGRAMS

DIRECTLY CONCERNED WITH THE POWER PLANT AND BEING IDENTIFIED

AS FIGURE VII ONE TO FIGURE VII FORTY TWO DEPICTING

DIFFERENT TYPES OF POWER PLANTS, REACTORS, SHIELDING, AND

AIRCRAFT AND THE ANALYSIS AND COMPARISON OF DIFFERENT

FACTORS. THE FIGURES ARE REPORTEDLY ACCOMPANIED BY A

COPIES DESTROYED

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RCS: PJP

65-5543

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INDEXED - 1

MAY 8 1951

56 MAY 16 1951

165-59312-388
FBI
ENG

PG WFO CERTAIN AMOUNT OF MATHEMATICAL EQUATIONS AND FORMULA.
ROTHROCK DESCRIBES THESE MISSING PAGES AS THE QUOTE HEART
OF THE WHOLE ~~LEXINGTON~~ REPORT UNQUOTE. COPY EIGHTY EIGHT A
WAS RETURNED BY LEWIS LAB TO NACA, DC AND ON APRIL FOURTEEN,
FORTY NINE SENT BACK TO AEC. AEC WASHINGTON PRESENTLY
ATTEMPTING LOCATE THIS COPY.] SUGGEST CLEVELAND INTERVIEW
SELDON AND ~~JESSIE HALL~~, ASST CHIEF OF RESEARCH, FORMER
ACTING SECURITY OFFICER NACA CONCERNING ABOVE. FOR
INFORMATION NEW YORK, GAO, DC INFORMS CANCELLED PAYROLL
CHECKS OF PERL WILL BE MADE AVAILABLE TO WFO ABOUT MAY NINE
NEXT AFTER WHICH PHOTOSTAT COPIES WILL BE EXPEDITIOUSLY
FURNISHED NEW YORK. REPORT FOLLOWS.

STEIN *C. Stein*

SAC, San Francisco

April 16, 1951

Director, FBI

WILLIAM PERL, aka.,
William Wutterperl
ESPIONAGE - R
PERJURY

4997

Reference is made to your letter of February 26, 1951, in the case entitled Possible Soviet Infiltration of NACA, Ames Laboratory, Moffett Field, California; Espionage - R.

[It is noted that this letter sets forth information obtained as a result of an interview with Arthur S. Freeman, Assistant Administrative Officer of the Ames Laboratory, Moffett Field, California.

In Bulet of April 2, 1951, in the same matter, you were requested to make further inquiry of Freeman as to the details of his statement to the effect that other government agencies are conducting investigation as to how documents captured from the Russians closely correspond with NACA reports. It is pointed out in this respect that Freeman may have been making reference to the Bureau's investigation in an effort to determine the manner in which the information as to the XP-41 jet fighter came into the possession of the Russians.

In the third paragraph on page 2 of your reference letter, it is noted that Freeman made the statement that it was the opinion of some engineers who have seen photographs of the Russian MIGs that these planes looked too much like certain jet planes which have been tested as prototypes or models at NACA Laboratories, and that the design so closely resembled the design of the contemplated U. S. planes, that it appeared to be more than a coincidence. [It is requested that you question Freeman further concerning this statement and, particularly, ascertain from him the exact identity or identities of the U. S. built planes that the engineers consider as bearing a close resemblance to the MIGs. In the event he is in a position to furnish the exact identity of these jet fighters, full information concerning these planes, including the date of their development, the date of the NACA reports, and such other pertinent information concerning the planes, should be obtained.

For your information, David Greenglass testified in Federal court, during the course of the Rosenberg espionage trial in New York City, that on one occasion he had been informed by Julius Rosenberg that the

65-59312

cc: Cleveland(65-2730)
New York(65-15387)

cc: 65-59873

RFE:mpm

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latter had just received the mathematics as to the problem of atomic energy for airplanes. According to inquiry made by the Bureau, it is believed that Rosenberg may have been making reference to the highly confidential NEPA (Nuclear Energy for Propulsion of Airplanes) Project. Accordingly, efforts are presently being made to determine whether any of the information pertaining to the mathematics of the power plant in the NEPA Project had been available to NACA and, if so, the date same was available and, particularly, whether the Lewis Flight Propulsion Laboratory in Cleveland had this information. It is therefore requested that you make appropriate inquiry of Freeman concerning his knowledge of the availability of such information to NACA and, if he indicates knowledge thereof, the exact nature of the information available, together with the date when and source from which same was referred to them, should be determined.

This matter should receive your immediate attention and the results of your inquiry furnished to the Cleveland and New York offices, as well as the Bureau.

FBI WASH FIELD

4-9-51

C.I.R. -10

5:12p

DIRECTOR AND SACS NEW YORK AND CLEVELAND

U R G E N T

WILLIAM PERL, WA. ESP DASH R, PERJURY: [ROBERT BELL SECURITY OFFICER NACA, DC.

ADVISES HE RECEIVED INFORMATION FROM H. HURTON BRACY, SECURITY OFFICER, NACA, CLEVELAND TO EFFECT THAT ON APRIL TWO, FIFTY ONE HE WAS REQUESTED BY AEE SILVERSTEIN TO ATTEND CONFERENCE OF LABORATORY EMPLOYEES CONVENED AT INSTANCE OF STANLEY KARANEK, ATTY FOR PERL WHO WISHED TO INTERVIEW POSSIBLE CHARACTER WITNESSES FOR LATTER. THOSE INTERVIEWED WERE EUGENE PERCHONOK, ISIDORE MARSHAWSKY, WARREN C. BURGESS, G. MERRITT PRESTON, HERBERT EINER, SILVERSTEIN, AND EUGENE J. LANCANIELLO, ALL OF WHOM EXPRESSED DESIRE TO BE OF ASSISTANCE TO DEFENSE. SILVERSTEIN STATED THAT EMPLOYEES SHOULD NOT BE REQUESTED TO COMMIT THEMSELVES AS WITNESSES THUS POSSIBLY PREJUDICING THEIR VALUE TO NACA IN HANDLING CONFIDENTIAL MATTERS. KARANEK STATED THAT IT WAS FELT THAT GOVERNMENT WOULD USE A CERTAIN WOMAN AS A WITNESS WHO HAD COME TO MR. WISE, CHIEF DEFENSE COUNSEL AND CONNECTED WITH AMERICAN CIVIL LIBERTIES UNION, AND STATED THAT SHE HAD BEEN INSTRUCTED BY A STRANGE MAN TO GIVE A CERTAIN AMOUNT OF MONEY TO AN AERONAUTICAL ENGINEER IN CLEVELAND. KARANEK FELT WOMAN WOULD QUOTE CHANGE HER STORY TO INCLUDE PERL IN THE TRANSACTION UNQUOTE. ABOVE FOR YOUR INFORMATION.

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65-5543

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ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
EXCEPT WHERE SHOWN
OTHERWISE.

~~CONFIDENTIAL~~
BY SPECIAL MESSENGER

Date: March 21, 1951

To: Director
National Advisory Committee for Aeronautics
1724 F Street, N. W.
Washington, D. C.

Attention: Mr. Robert L. Bell
Security Officer

From: John Edgar Hoover, Director
Federal Bureau of Investigation

DECLASSIFIED BY 4913
ON 2/27/88

Subject: WILLIAM PERL, also known
as William Butterperl
ESPIONAGE - R; PERJURY

You will recall that you recently furnished this Bureau with a photostatic copy of a memorandum dated February 1, 1944, which had been submitted by your West Coast Representative, Edwin P. Hartman, which set forth detailed information relative to the production of the XP-81 Fighter by the Consolidated Vultee Aircraft Corporation. It was noted that the records of your Committee indicated that a copy of this report had been made available to your Laboratory in Cleveland, Ohio.

In connection with the investigation of this matter, it would be appreciated if you would likewise advise this Bureau whether there is any record indicating that a copy of this report was made available to Dr. Theodore Von Karman, either in his capacity as Director of the Guggenheim Aeronautical Research Laboratory at the California Institute of Technology, as Professor at the Pupin Physics Laboratory, Columbia University, or as Consultant and Advisor to the Department of the Air Force.

In the event it is determined that a copy of this memorandum was made available to Dr. Von Karman it is requested that you furnish the exact date and place of its transmittal to him.

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Julius Rosenberg Et AL.

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Administration

No. 8

Washington, D.C. 20546

Reviewed by:

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AGENCY National Aeronautics and Space Administration No. of Pages

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MAJ. GEN. GORDON P. SAYRE, U. S. A. F.
WILLIAM WEBSTER, M. S.
THEODORE P. WRIGHT, SC. D.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

1724 F STREET, NORTHWEST
WASHINGTON 25, D. C.

LANGLEY AERONAUTICAL LABORATORY
LANGLEY FIELD, VA.

AMES AERONAUTICAL LABORATORY
MOFFETT FIELD, CALIF.

LEWIS FLIGHT PROFILES LABORATORY
CLEVELAND AIRPORT, CLEVELAND 11, OHIO

TELEPHONE: LIBERTY 5-6700

March 22, 1951

~~CONFIDENTIAL~~

Director
Federal Bureau of Investigation
U. S. Department of Justice
Washington 25, D. C.

Subject: William, Perl, aka
William Mutterperl
Espionage-R; Perjury

Dear Sir:

This is in reply to your letter of March 21,
1951.

A copy of the memorandum of Mr. Edwin P.
Hartman, dated February 1, 1944, was not furnished to
Dr. Theodore Von Karman. There is nothing to indicate
that the same information, as was contained in that
memorandum, was furnished to Dr. Theodore Von Karman
in any other form by the National Advisory Committee
for Aeronautics.

Very truly yours,

NATIONAL ADVISORY COMMITTEE
FOR AERONAUTICS

Hugh L. Dryden

Hugh L. Dryden
Director

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EX-56

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MAR 23 1951

~~CONFIDENTIAL~~

Kellogg

ARTHUR C. BURGESS, JR. D. C. C. B. C.
 ALEXANDER H. BURGESS, JR. D. C. C. B. C.
 BETLEY W. BURGESS, JR. D. C. C. B. C.
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 MAJ. GEN. DONALD L. PUTT, U. S. A. F.
 ARTHUR E. BAYBORN, U. S. N.
 FRANCIS W. BUCHHEIDER, U. S. N.
 MAJ. WALTER S. BOUTMAN
 THEODORE P. WRIGHT, U. S. N.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

LEWIS FLIGHT PROPULSION LABORATORY
 21000 BROOKPARK ROAD, CLEVELAND 11, OHIO

July 8, 1954

TELEPHONE: WENTON 1-6000

COMMITTEE MEMBERSHIP
 DON F. STUEBE, Secretary
 WASHINGTON, D. C.
 LAMBERT AERONAUTICAL LABORATORY
 LAMBERT FIELD, MO.
 ARTHUR AERONAUTICAL LABORATORY
 HOFFET FIELD, CALIF.

Special Agent in Charge
 Federal Bureau of Investigation
 U. S. Department of Justice
 Standard Building
 Cleveland, Ohio

Attention: Special Agent James F. Kelley

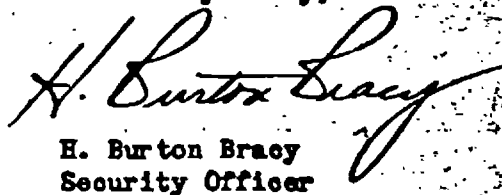
Dear Mr. Kelley:

Referring to our telephone conversation of today, I am
 enclosing a photocopy of a letter dated July 2, 1954 from Mrs.
 Carol Schaefer Sanders, addressed to Mr. Abe Silverstein, who is
 Associate Director of the NACA Lewis Flight Propulsion Laboratory,
 Cleveland, Ohio.

It appears that you may want to conduct some inquiry as to
 Mrs. Sanders, who apparently resides at 4176 West 208th Street,
 Fairview Park, Ohio, inasmuch as she identifies herself as a friend
 of William Perl. According to the records of this laboratory, Perl
 was convicted of perjury in Federal Court for the Southern District
 of New York, approximately one year ago, and is presently serving
 a term not to exceed five years, in the custody of the Attorney
 General.

A copy of my reply to Mrs. Sanders is also enclosed for your files.

Yours very truly,


 H. Burton Bracy
 Security Officer

Enclosures

CCO. Ph. 11/11 65-2730-762
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FBI - CLEVELAND	

Edwards

July 7, 1954

Per
Done

Mrs. Carol M. Sanders
4176 West 208 Street
Fairview Park 26, Ohio

Dear Mrs. Sanders:

Your letter dated July 2, 1954 addressed to Mr. Abe Silverstein, Associate Director of this Laboratory, has been referred to the undersigned for reply.

William Perl resigned from this Laboratory on September 1, 1950, and was thereafter employed as a teacher at Columbia University, until his indictment for perjury in March, 1951. As you may know, he was convicted on this charge approximately one year ago, and has been committed to the custody of the Attorney General for a period not to exceed five years.

Although the last information in our possession indicated that he is located at the Lewisburg Federal Penitentiary in New York State, it is suggested that you obtain his present address from the Office of the Attorney General, U. S. Department of Justice, Washington 25, D. C.

Yours very truly,

F. Burton Bracy
Security Officer

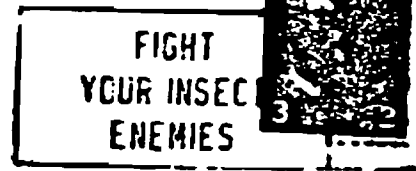
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Encl M. Dundas
4176 W. 21st St.
Fairview Park 26, Ohio



Mr. Abe Silverstein
4810 W. 21th Street
Fairview Park 26, Ohio

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FBI - CLEVELAND	

Johnson

July 2, 1954

My dear Mr. Silverstein,
I am wondering
whether or not you
will recall me - I
am a friend of
William Perlé and had
the pleasure of attending
one of your New
Year's eve parties a
number of years
ago. I have lost